OM



AEP Generation Resources, Inc.Conesville Plant
47201 CR 273

Conesville, OH 43811-9799 740.829.2378

February 27, 2015

U. S. EPA Region V Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604

Re: First Anniversary Follow-up Report
AEP Generation Resources - Conesville Plant

Dear Sir/Madam:

This letter is submitted as the First Anniversary Follow-up Report to the notifications made on January 29, 2014, and March 26, 2014, regarding a change in the normal range of continuous release of Sulfuric Acid Aerosol. Sulfuric Acid Aerosol is a reportable substance, released from Units 5 and 6 at our Conesville Power Plant (CR-ERNS Nos. 522822 and 522823). The January 29, 2014, notification of change revised the bounds of the normal range of emissions for Sulfuric Acid from the Conesville Plant Units 5 and 6. The March 26, 2014 notification again revised the bounds of the normal range of emissions for Sulfuric Acid Aerosol from the Conesville Plant Units 5 and 6.

This report serves at the First Anniversary Follow-up Report for both of the notifications occurring in 2014. The First Anniversary Follow-up Report is a release information update in which no changes are being made to the detailed information previously submitted on March 26, 2014. Therefore, we are only revising the signed Section I to indicate the type of report.

These sulfuric acid aerosol emissions are routine in nature, anticipated, intermittent and incidental to the normal operation of the facility. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with operating characteristics of the equipment, actual hours of operation, fuel quality and other factors, but the released quantity has remained within the newly established ranges as previously reported.

Please find enclosed an original signed "First Anniversary Follow-up Report" (Section I) for the Conesville Plant.

If you have any questions concerning this notice, please do not hesitate to contact Beth Mullen by telephone at (740)-829-4094 or by e-mail at bamullen2@aepes.com.

Sincerely,

Michael J. Zwick Plant Manager

AEP Generation Resources, Conesville Plant

cc:

all w/att

Rob McMasters

Jeff Beattie

Jessica Kuenzli

Beth Mullen

Rex Green

Mark Runyon

John Hendricks Janet Henry Ohio EPA - SEDO

Conesville Plant

Conesville Plant

AEP - 1RP

AEP - 1RP

AEP – 1RP

SECTION	I: GENERAL INFORMATION		CR-ERNS	Number: 522822, 522823
Date of I	nitial Release:		Date of Initia	al Call to NRC: 03/13/2000
Type of Report: Indicate below the type of report you are submitting. First Anniversary Written Notification of a Change to Report Initial Notification Follow-up Report Follow-up Report				
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge. Michael J. Zwick, Plant Manager, Conesville Plant Name and Position				
	27/2015 L	<u> 11</u> 1	ur Las Lan	Signature ()
Part A. Fac	ility or Vessel Information			
Name of Facility or Vessel Conesville Power Plant Unit No. 4 - CR ERNS No. 522822 Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823				
Person in Charge of Facility or Vessel Name of Person in Charge Michael J. Zwick Position Plant Manager Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102			ephone No. (⁷⁴⁰) 829-4102	
Facility Address or Vessel Port of	Street 47201 County Road 273 City Conesville		C	ounty _{Coshocton}
Registration	dstreet Number for Facility 0690	0684		2.p eess
Facility/Vess Location		11 52		Vessel LORAN Coordinates
Part B. Population Information				
Population Density				
Sensitive Populations and	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wildl Conesville Elementary	•		Distance and direction from facility 0.75 mile NW
Ecosystems Within One Mile Radius	Wetland Wetland			0.75 mile N 0.75 mile S



AEP Generation Resources, Inc.

Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378

May 4, 2016

Ohio EPA, DERR - ER Lazarus Government Center 50 West Town Street, Suite 700 P.O. Box 1049 Columbus, OH 43216-1049

ATTN: ER Records Mgmt.

SERC Report

Continuous Release Notification RE:

AEP Generation Resources Inc. - Conesville Plant

Dear Sir/Madam:

On May 2, 2016, Mr. Mark Andrews of Conesville Plant notified the Ohio EPA Emergency Response Section (SERC), Local Emergency Planning Commission (LEPC) and the National Response Center (NRC) of a statistically significant increase in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 4 at the Conesville Power Plant. The call to the NRC was assigned incident report number 1146740 for May 2, 2016 at 15:04, and the call to the SERC was assigned incident report number 1605-16-0821 at 15:08.

Following these notifications, we conducted a review of the release data and our records and determined that no increase above the previously reported normal range of Sulfuric Acid Aerosol occurred. Consequently, no written follow-up report is necessary.

If you have any questions concerning this matter, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely,

Michael J. Zwick

Plant Manager

Conesville Plant



AEP Generator Resources, Inc. Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378

March 26, 2014

U. S. EPA Region V Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604 Received

APR 2 8 REC'D

Ohemical Emergency Preparedness Program

Re: Written Follow-up Report

Continuous Release Notification – 1077630

AEP Generation Resources - Conesville Plant

Dear Sir/Madam:

On March 25, 2014, Mr. Miles Kimball of AEP Generation Resources Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522822 and 522823). The call to the NRC was assigned incident report number 1077630, and the call to the SERC was assigned case number 1403-16-0500. The increase in emissions resulted from the high level of generation by these units due to system demand and the high fuel sulfur content as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 16,757 pounds or 488 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the other, previously reported upper bounds are being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Rex Green by telephone at (740)-829-4065 or by e-mail at rwgreen1@aepes.com.

Sincerely.

Michael J. Zwick

Plant Manager – Conesville Plant AEP Generation Resources, Inc.

cc:

Rex Green
Mark V. Runyon
J.J. Henry
James Van Horn
Jeff Beattie
Dan Canter

SECTION	I: GENERAL INFORMATION	CR-ERNS Nu	mber: 522822, 522823		
Date of Initial Release:		Date of Initial	Call to NRC: 03/13/2000		
	Type of Report: Indicate below the type of report you are submitting. First Anniversary Written Notification Initial Written Notification Follow-up Report Initial Notification Follow-up Report				
quantity and ra	Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge. Michael J. Zwick, Plant Manager, Conesville Plant				
3/26	/2014 Date	Mame a	nd Position		
Part A. Faci	lity or Vessel Information				
Name of Fac	Name of Facility or Vessel Conesville Power Plant Unit No. 4 - CR ERNS No. 522822 Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823				
Person in Charge of Facility or Vessel	Name of Person in Charge Michael J. Zwie Position Plant Manager Telephone No. (740) 829-4101		hone No. (⁷⁴⁰) 829-4102		
Facility Address or Vessel Port of	ty PSS OF Street 47201 County Road 273 County Coshocton				
Registration Dun and Bra		0684502			
Facility/Vess Location	Facility/Vessel Latitude Deg 040 Min 11 Sec 08 Vessel LORAN Coordinates				
Part B. Por	ulation Information				
Population Density					
Sensitive Populations and Ecosystems Within One Mile Radius	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild Conesville Elementary Wetland Wetland	life preserves, etc.) 0. 0.	istance and direction from facility 75 mile NW 75 mile N 75 mile S		

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conc	sville Units 5 and 6			
1. Indicate whether the release	se from this source is	s either:		
continuous without interrup	otion	OR routine, antic	ipated, intermi	ttent X.
2. Identify the activity(ies) the life malfunction, describe the continuous and stable in questiones will be power Plant Units 5 and esign capacity of 4091 mmBTU/hr esulphurization scrubber. After the ischarged into the environment.	e maifunction and ex uantity and rate.* 6 are Combustion Engin . Both steam generators	xplain why the release fro cering pulverized coal, dry-bot are controlled with their own e	m the malfunction boilers each helectrostatic precip	tion should be considered aving a nominal heat input itator and a wet lime flue gas
The initial notification of continuous release was filed on March 13, 2000. The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand and fuel sulfur. Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.				
3. Identify below how you o	_X Knowle	edge of the facility/vessel's		
X AP-42	-	ions and release history ofessional judgment		Other (explain)
				
				

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

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	•		1			

Part B: Specific Information on the Source

Name of Source: Conesville Units 5 and 6

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

	OIL OR GROUND WATER e release is on or under ground, indicate the distance to the closest water well.
3 5	If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters.
Ø ST	JRFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body.
	R X (stack X or a ground-based area source. If identified source is a stack, indicate stack height: 800 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

•	For a stack release to air, provide to information, if available:	he following
	Inside diameter 33.85' feet or m	ctas
	Gas Exit Velocity 78.4-8's feet/seco	nd or
	meters/se	econd

Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

For a release to surfact following information	
Average Velocity of Surface Water	feet/second

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary

Name of Source:

Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

(in lbs. or kg per day)* Normal Range Release Occurs Number of Days Released in Previous Year Total Quantity Months of the

Name of Hazardous Substance Sulfuric Acid Unit 5 and Unit 6 CASRN # 7664939 Upper Bound 16,757 lb. Lower Bound 766 lb. (Der year) (in ibs. or kg)* 328, 103 lb Release

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as reported in Initial

All Other Substances Remain

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Substance Components Hazardous Name of CASRN# Percentage Weight (in lbs. or kg per day)*
Upper Lower
E Bound Bound Normal Range of Components (in lbs. or kg per day)*
Upper Lower
Bound Bound Normal Range of Mixture Number of Local Quantity of Days Release Mixture Released (DCT YEAT) Occurs in Previous Year Total Quantity of (in lbs. or kg)

Rokass

Months of the

Name of Mixture

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (Cl) are appropriate.

CK-EKAS Anuper: 222820, 522822, 522823

INEOBWYLION SECLION III: SOBSLYNCE

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRM# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Upper Bound of the Mormal Range of the Release (specify lba., kg. or Ci)

9,128 lb

Name of Source(s)

4 JinU O bna & stinU

TOTAL - SSI trigger for this hazardous substance release" :

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year includes all releases previously reported or occurring over a 24-hour period during the previous year



AEP Generator Resources, Inc. Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378

January 29, 2014

U. S. EPA Region V Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604

Re: Written Follow-up Report

Continuous Release Notification – 1072058 AEP Generation Resources - Conesville Plant Received

MAR 1 4 REC'D

Chemical Emergency Preparednaca Program

Dear Sir/Madam:

On January 24, 2014, Mr. Mark Grier of AEP Generation Resources Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522822 and 522823). The call to the NRC was assigned incident report number 1072058, and the call to the SERC was assigned case number 1401-16-0150. The increase in emissions resulted from the high level of generation by these units due to system demand and the high fuel sulfur content as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 16,269 pounds or 363 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the other, previously reported upper bounds are being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Rex Green by telephone at (740)-829-4065 or by e-mail at rwgreen 1@aepes.com.

Sincerely,

Michael J. Zwick

Plant Manager — Conesville Plant AEP Generation Resources, Inc.

cc:

Rex Green Mark V. Runyon J.J. Henry James Van Horn Jeff Beattie Dan Canter

SECTION	I: GENERAL INFORMATION	CR-ERNS N	lumber: 522822, 522823		
Date of In	itial Release:	Date of Initia	l Call to NRC: 03/13/2000		
Type of Re	port: Indicate below the type of report y	you are submitting.			
Initial W	ritten Notification First Anniversary Follow-up Report	Written Notifice of a Change to Initial Notifica	of a Change to		
quantity and ra	Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge				
	Michael J. Zwick, Plant Manager, Conesville Plant Name and Position Date Michael J. Zwick, Plant Manager, Conesville Plant Name and Position Signature				
Part A. Faci	lity or Vessel Information				
	Name of Facility or Vessel Conesville Power Plant Unit No. 4 - CR ERNS No. 522822 Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823				
Person in Charge of Facility or Vessel	of Facility Position Plant Manager				
Facility Address or Vessel	Street 47201 County Road 273		ounty Coshocton		
	Port of City Conesville State OH Zip Code 43811 Registration				
Dun and Bra	dstreet Number for Facility 06	90684502			
Facility/Vess Location	Facility/Vessel Latitude Deg 040 Min 11 Sec 08 Vessel LORAN Coordinates Location Longitude Deg 081 Min 52 Sec 48				
Part B. Por	Part B. Population Information				
Population Density					
Sensitive Populations and	Sensitive Populations or Ec (e.g., schools, hospitals, wetlands, wild Conesville Elementary	•	Distance and direction from facility 0.75 mile NW		
Ecosystems Within One Mile Radius	Wetland Wetland		0.75 mile N 0.75 mile N 0.75 mile S		

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SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

ecessary.					
Name of Source: Conesvi	Name of Source: Conesville Units 5 and 6				
1. Indicate whether the release	from this source is either:				
continuous without interruption	OR routine, anticipate	ed, intermittent X .			
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment. The initial notification of continuous release was filed on March 13, 2000. The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand and fuel sulfur. Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.					
3. Identify below how you est	ablished the pattern of release and calculated rel	lease estimates.			
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate			
X AP-42	X Best professional judgment	Other (explain)			

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)	CR-ERNS Number: 522823				
Name of Source: Conceville Units 5 and 6					
Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete					
Section II, Parts A, B, and C, of this format for EACH medium affected. AIR x (stack x or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 800 feet or meters; OR					
SURFACE WATER					
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters.					
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.					
Optional Information					
The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified. For a stack release to air, provide the following information, if available: Inside diameter 33.85' feet or meters Gas Exit Velocity 78.4-95 feet/second or meters second Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius					

SECTION II: SOURCE INFORMATION (continued)

522823 CR-ERNS Number: Part C. Identity and Ouantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Conesville Units 5 and 6 Name of Source: List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Months of the 2 Released in Previous Year Total Quantity (in lbs. or kg)* 328,103 lb. Number of Days Release Occurs (per year) Lower Bound 766 lb. (in lbs. or kg per day)* Normal Range Upper Bound 16,269 lb. CASRN# 7664939 Name of Hazardous Substance Sulfuric Acid Unit 5 and Unit 6 All Other Substances Remain

as reported in Initial

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, sec Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Release Months ofthe Total Quantity of Days Release Mixture Released in Previous Year (in Ibs. or kg) Number of (per year) Occurs (in lbs. or kg per day)* Upper Lower Bound Bound Normal Range of Mixture (in lbs. or kg per day)* Normal Range of Lower Bound Components Coper Percentage Weight CASRN# Components Substance [Jazardous Name of Name of Mixture

Please he sure to include units where appropriate. Also, if the release is a radiomuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

9.128 lb

16.269 lb

TOTAL - SSI trigger for this hazardous substance release*: 25,397 lb

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

ENVIRONMENTAL PROTECTION AGENCY EMERGENCY RESPONSE NOTIFICATION SYSTEM ***GOVERNMENT USE ONLY***GOVERNMENT USE ONLY***

ERNS # 8025496 IRIS/NRC # 1053294

INCIDENT DESCRIPTION

*Report taken by: CIV NYDIA RAWLS at 07:40 on 10-JUL-13

Incident Type: FIXED Incident Cause: OTHER

Affected Area:

The incident occurred on 10-JUL-13 at 00:00 local time.

Affected Medium: AIR ATMOSPHERE

REPORTING PARTY

Name:

REX GREEN

Organization: OHIO POWER

Address:

47201 COUNTY ROAD 273

CONESVILLE, OH 43811

PRIMARY Phone: (740)8294065

INCIDENT LOCATION

47201 COUNTY ROAD 273 County: COSHOCTON

City: CONESVILLE State: OH Zip: 43811

RELEASED MATERIAL(S)

CHRIS Code: SFA

Official Material Name: SULFURIC ACID

Also Known As: SULFURIC ACID FUMES

Qty Released: 14066 POUND(S)

DESCRIPTION OF INCIDENT

CALLER STATED SULFURIC ACID FUMES RELEASED FROM STACKS 5 & 6 DUE TO CONTINUOUS EMISSION TO THE AIR.

SENSITIVE INFORMATION

INCIDENT DETAILS

Package: N/A Building ID:

Type of Fixed Object: POWER PLANT Power Generating Facility: YES

Generating Capacity:

Type of Fuel:

NPDES:

NPDES Compliance: UNKNOWN

IMPACT

Fire Involved: NO

Fire Extinguished: UNKNOWN

INJURIES:

NO

Hospitalized:

Who Evacuated:

Empl/Crew:

Empl/Crew:

Passenger:

FATALITIES:

NO

Occupant:

EVACUATIONS:

NO

Passenger:

Damages:

NO

Hours

Radius/Area:

Direction of

Closure Type

Description of Closure

Closed

Closure

Air:

Road:

N

Ma-

Waterway:

N

Track:

N

Passengers Transferred: NO

Environmental Impact: UNKNOWN

Media Interest: UNKNOWN Community Impact due to Material:

REPORTING PARTY

Type of Organization: PUBLIC UTILITY

SUSPECTED RESPONSIBLE PARTY

REX GREEN

Organization: OHIO POWER

Address:

47201 COUNTY ROAD 273

CONESVILLE, OH 43811

PRIMARY Phone: (740)8294065

Type of Organization: PUBLIC UTILITY

REMEDIAL ACTIONS

MEGAWATS WENT DOWN ON LOAD AT 2300 PM.

Release Secured: NO

Release Rate:

Estimated Release Duration: 24 HOUR

WEATHER

Weather: RAINY, °F

ADDITIONAL AGENCIES NOTIFIED

Federal:

State/Local:

State/Local On Scene: State Agency Number:

NOTIFICATIONS BY NRC

ATLANTIC STRIKE TEAM (MAIN OFFICE)

10-JUL-13 07:48 (609) 7240008

DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

10-JUL-13 07:48 (202)3661863

U.S. EPA V (MAIN OFFICE)

10-JUL-13 07:49

(312) 3532318

BENNING

FBI CLEVELAND FIELD OFC (MAIN OFFICE)

10-JUL-13 07:48 (216)5221400

NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)

10-JUL-13 07:48

(202) 2829201

NOAA RPTS FOR OH (MAIN OFFICE)

10-JUL-13 07:48

(206) 5264911

NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)

10-JUL-13 07:48

(202) 2671136

OHIO DEPARTMENT OF HEALTH (OHDOH)

10-JUL-13 07:48

(614) 7528451

OH STRATEGIC ANALYSIS AND INFO CTR (OHIO COMMAND CENTER)

10-JUL-13 07:48

(614) 3014654

CINCINNATI REG. TERR. EARLY WARNING (MAIN OFFICE)

10-JUL-13 07:48

(513)

OH EPA ATTN: DUTY OFFICER (MAIN OFFICE)

10-JUL-13 07:48 (614)2240946

OH EPA ATTN: DUTY OFFICER (SOUTHEAST DISTRICT OFFICE)

10-JUL-13 07:48 (740)3805251

ADDITIONAL INFORMATION

CALLER WILL MAKE OTHER NOTIFICATIONS NEXT.

RESPONSE INFORMATION

*** END INCIDENT REPORT #

1053294

Report any problems or Fax number changes by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

STATE ID 1105-16-1609

DATE

5/11/2011

COUNTY CODE

16

SPILL NUMBER

1609

PRODUCT NAME

AEROSOL SULPHURIC ACID

AMOUNT UNIT

UNK

<u>CITY</u>

CONESVILLE

SPILL LOCATION

CR 273 NEAR SR 16

City/TWP

CONESVILLE

Address

CR 273 NEAR SR 16

<u>Caller</u>

MARK GRIER

<u>PRP</u>

AEP



AEP - Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378 http://www.aep.com

Received

AUG 2 1 2013

July 16, 2013

Chemical Emergency Received Preparedness Program

State Emergency Response Commission c/o Ohio EPA Lazarus Government Center 50 West Town Street, Suite 700 P.O. Box 1049 Columbus, OH 43216-1049

AUG 2 1 2

Chemical Emergency

RE:

Continuous Release Notification

Ohio Power Company - Conesville Plant

Dear Sir/Madam:

On July 10, 2013, Mr. Rex Green of Conesville Plant notified the State Emergency Response Center (SERC) and the National Response Center (NRC) of a statistically significant increase in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 and 6 at the Conesville Power Plant. The call to the NRC was assigned incident report number 1053294 for July 10, 2013 at 0742, and the call to the SERC was assigned incident report number 1307-16-1533.

Following these notifications, we conducted a review of the release data and plant records determining that no increase above the previously reported normal range of Sulfuric Acid Aerosol occurred. Consequently, no written follow-up report is necessary.

If you have any questions concerning this matter, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com

Sincerely,

Michael J. Zwick

Conesville Plant Manager

Enclosure

CC:

U. S. EPA Region V Superfund Division 77 W. Jackson Blvd. Mail Code: S-6J Chicago, IL 60604

Attention: Mr. Richard Karl, Director

Ohio Environmental Protection Agency Attn: Dan Canter 2195 Front Street Logan, OH 43138 James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812

bc: R.W. Green - Conesville Plant

J. J. Henry - Legal J.C. Hendricks - ESD M. V. Runyon - ESD



AEP - Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378 http://www.aep.com

July 12, 2013

U. S. EPA Region V Superfund Division 77 W. Jackson Blvd. Mail Code: S-6J Chicago, IL 60604

Attention: Mr. Richard Karl, Director

RE: Unit Shutdown Notification - CORRECTION Ohio Power Company - Conesville Plant

Dear Mr. Karl:

On April 13, 2013, we provided updated information to reflect the permanent shutdown of Conesville Plant Unit 3. This information included revised EPCRA/CERCLA Continuous Release forms.

We recently discovered that a transcription error was made in revising one of the EPCRA/CERCLA forms. The error was in regard to Units 5 and 6 information, and not Unit 3 which was the sole reason for the updated information.

Enclosed are the revised continuous release notification forms for Conesville Power Plant. The only revision is to Section III: Substance Information for sulfuric acid. The other forms are unchanged but included for your convenience.

If you have any questions concerning this notice, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Sincerely:

Michael J. Zwick

Conesville Plant Manager

Enclosure

cc: State Emergency Response Commission

c/o Ohio EPA

Lazarus Government Center 50 West Town Street, Suite 700

P.O. Box 1049

Columbus, OH 43216-1049

Ohio Environmental Protection Agency Attn: Dan Canter 2195 Front Street Logan, OH 43138

James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812

bc: R.W. Green - Conesville Plant

J. J. Henry – Legal J.C. Hendricks/M. V. Runyon – ESD

SECTION	I: GENERAL INFORMATION	CR-ER	NS Number: 522822, 522823		
Date of In	itial Release:	Date of 1	Initial Call to NRC: 03/13/2000		
Type of Re	port: Indicate below the type of report y	ou are submitti	ng.		
Initial W	ritten Notification First Anniversary Follow-up Report	of a Cha	Notification Written Notification unge to of a Change to follow-up Report		
quantity and ra	Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge				
	18/2013 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Michael J. Zwi	ck, Plant Manager, Conesville Plant Name and Position Signature		
Part A. Faci	lity or Vessel Information				
	Conesville Power Plant Un Conesville Power Plant Un		S No. 522822 No. 6- CR-ERNS No. 522823		
Person in Charge of Facility	Name of Person in Charge Michael J. Zwie Position Plant Manager	:k			
or Vessel	Position Plant Manager Telephone No. (740) 829-4101	Altern	ate Telephone No. (⁷⁴⁰) 829-4102		
Facility Address or Vessel	Street 47201 County Road 273		County Coshocton		
Port of Registration	City Conesville		State OH Zip Code 43811		
	-	00684502			
Facility/Vess Location	Facility/Vessel Latitude Deg 040 Min 11 Sec 08 Vessel LORAN Coordinates Location Longitude Deg 081 Min 52 Sec 48				
Part B. Population Information					
Population Density	Choose the range that describes the popula (Indicate by placing an "X" in the appropriate of the control of the		persons more than 1000 persons		
Sensitive Populations	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild	•	Distance and direction from facility, etc.)		
and Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland		0.75 mile NW 0.75 mile N 0.75 mile S		

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

ecessary.					
Name of Source: Conesvil	e Unit 3 - Permanently Shutdown	1			
1. Indicate whether the release from this source is either:					
continuous without interruption	n OR	routine, anticipa	sted, intermittent .		
	ialfunction and explain why tity and rate.*	the release from	atch process, filling of a storage tank). the malfunction should be considered		
3. Identify below how you esta	blished the pattern of releas	se and calculated i	release estimates.		
Past release data	Knowledge of the operations and re		Engincering estimate		
AP-42	Best professional	judgment	Other (explain)		
			,		

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Name of Source: Conesville Unit 3 - Permanently Shutdown

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II. Parts A. B. and C. of this format for EACH medium affected.

	IR (stack or area) If the medium affected is air, please also specify whether the ource is a stack or a ground-based area source.			
	If identified source is a stack, indicate stack height: feet or meters; OR			
	If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.			
Ø s	URFACE WATER (stream, lake, or other)			
•	If the release affects any surface water body, give the name of the water body.			
	If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR			
,	If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.			
,	•			
3	If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters.			
, Øs	•			
	surface area of lake: acres and average depth of lake: meters.			

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to information, if availa	For a release to following info		
Inside diameter	feet or meters	Average Veloc	
Gas Exit Velocity	feet second or	of Surface Wat	
	meters second		
Gas Temperature	degrees Fahrenheit,		
	Kelvin, or Celsius	ł	

For a release to surface water, provide the following information, if available:

Average Velocity feet second of Surface Water

SECTION II: SOURCE INFORMATION

(continued)

Part C. Identity and Ouantity of Each Hazardous Substance or Mixture Released From Each Source

522820

CR-ERNS Number:

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 3 - Permanently Shutdown

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Normal Range Number (in lbs. or kg per day)* Release

CASRN#

Name of Hazardous Substance

(in lbs. or kg per day)* Release Occurs]
Upper Bound Lower Bound (per year)

Number of Days Fotal Quantity
Release Occurs Released in Previous Year Months of the (per year) (in 1bs. or kg)? Release

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Normal Range of Normal Range of Components Mixture

Components
(in lbs. or kg per day)* (in

Weight Upper Lower

Percentage Bound Bound

CASRN#

Components

Hazardous Substance

Name of

Mixture Number of

(in lbs. or kg per day)* Days Release
Upper Lower Occurs
Bound Bound (per year)

Days Release Mixture Released Months
Occurs in Previous Year of the
(per year) (in lbs. or ke) Release

Total Quantity of

Please be sure to include units where appropriate. Also, if the release is a radiomiclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen Oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs.. kg. or Ci)

Unit 4
Units 5 and 6

114,041 lb 128,729 lb

TOTAL - SSI trigger for this hazardous substance release*: 242,770 lb.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide

UOL

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

6,008 lb

6.775 lb

TOTAL - SSI trigger for this hazardous substance release*: 12,783 lb.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more occurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a maxture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4
Units 5 and 6

10,031 lb

12.781 lb

TOTAL - SSI trigger for this hazardous substance release* : 22,812 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal—ge of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

Unit 4
Units 5 and 6

1.024 Ть

1.305 lb

TOTAL - SSI trigger for this hazardous substance release*: 2,329 lb.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Unit 5 and 6

9,128

15.906 lb

TOTAL - SSI trigger for this hazardous substance release*: 25,034 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trieger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

2.2 lb

2.2 lb

TOTAL - SSI trigger for this hazardous substance release*: 4.4 ib.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Scientum dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II. Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

19.9 lb

25.4 В

TOTAL - SSI trigger for this hazardous substance release*: 45.3 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium aremate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

Unit 4

Units 5 and 6

9.6 lb

8.6 lb

TOTAL - SSI trigger for this hazardous substance release*: 18.2 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more occurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

Unit 4

Units 5 and 6

15.9 D

19.5 lb

TOTAL - SSI trigger for this hazardous substance release*: 35.4 lb.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.



AEP - Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 740.829.2378 http://www.aep.com

Received

MAY 1 0 2013

Chemical Emergency

Preparedness Program

April 30, 2013

U. S. EPA Region V **Superfund Division** 77 W. Jackson Blvd. Mail Code: S-6J

Chicago, IL 60604

Attention: Mr. Richard Karl, Director

RE: **Unit Shutdown Notification**

Ohio Power Company - Conesville Plant

Dear Mr. Karl:

The Ohio Power Company is providing updated information in the enclosed EPCRA/CERCLA Continuous Release forms for a change in status of the operating units at our Conesville Power Plant.

We have previously reported that the Conesville Power Plant consists of two decommissioned units and four operating electric steam generators. Units 1 and 2 have been permanently out of service for several years. However, as of January 1, 2013, Unit 3 (CR ERNS No. 522820) has also been permanently shut down. Units 4, 5 and 6 continue to operate and no changes are being made to the specific forms submitted for those units.

Enclosed are the revised continuous release notification forms for Conesville Power Plant. These revised forms include notations regarding the status of Conesville Unit 3 as being shut down in Section I – General Information and Section II – Source Information. The statistically significant increase total for the facility has been adjusted by removing the previously reported amounts that would have been released through the Conesville Unit 3 stack in Section III - Substance Information. No increases in release quantities have been included in this submittal.

If you have any questions concerning this notice, please contact Rex Green by telephone at 740-829-4065 or by e-mail at rwgreen1@aep.com.

Michael J. Zwick

Sincerely.

Conesville Plant Manager

Enclosure

cc: State Emergency Response Commission c/o Ohio EPA Lazarus Government Center 50 West Town Street, Suite 700 P.O. Box 1049 Columbus, OH 43216-1049

> Ohio Environmental Protection Agency Attn: Dan Canter 2195 Front Street Logan, OH 43138

James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812

bc: R.W. Green – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/M. V. Runyon – ESD

SECTION	: GENERAL INFORMATION	CR-ERNS N	lumber: 522822, 522823
Date of In	itial Release:	Date of Initia	l Call to NRC: 03/13/2000
Type of Re	port: Indicate below the type of report y	you are submitting.	
Initial Written Notification Follow-up Report First Anniversary Of a Change to Initial Notification Follow-up Report Written Notification Of a Change to Follow-up Report			
quantity and ra	Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.		
4/:	Michael J. Zwick, Plant Manager, Conesville Plant Name and Position Name and Position Signature Signature		
Part A. Faci	lity or Vessel Information		
Name of Facility or Vessel Conceville Power Plant Unit No. 4 - CR ERNS No. 522822 Conceville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823			
Person in Charge of Facility	Name of Person in Charge Michael J. Zwi Position Plant Manager	ck	
or Vessel Facility	Telephone No. (740) 829-4101	Alternate Tel	ephone No. (740) 829-4102
Address or Vessel	Street 47201 County Road 273	C	ounty Coshocton
Port of Registration	City Conesville	S	tate OH Zip Code 43811
•		90684502	
Facility/Vesse Location	Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec <u>08</u> 52 Sec <u>48</u>	Vessel LORAN Coordinates
Part B. Population Information			
Population Density	Choose the range that describes the popul (Indicate by placing an "X" in the appropriate 0 - 50 persons 51 - 100 persons		ns more than 1000 persons
Sensitive Populations and	Sensitive Populations or Ec (e.g., schools, hospitals, wetlands, wil	•	Distance and direction from facility
Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland		0.75 mile NW 0.75 mile N 0.75 mile S

SECTION II:	SOURCE
	INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conceville Unit 3 - Permanently Shutdown		
Indicate whether the release from continuous without interruption		od, intermittent
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate. *Conesville Power Plant Unit 3 permanently shut down as of January 1, 2013.		
3. Identify below how you establ	ished the pattern of release and calculated rel	case estimates.
Past release data	Knowledge of the facility/vessel's operations and release history	Engineering estimate
AP-42	Best professional judgment	Other (explain)
	•	
	P	

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents. do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)	CR-ERNS Number: 522820		
Name of Source: Conesville Unit 3 - Permanently Shutdown			
Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.			
AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.			
AIR (stack or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.			
If identified source is a stack, indicate stack height: feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.			
SURFACE WATER, lake	SURFACE WATER (stream, lake, or other)		
If the release affects any surface water body, give the name of the water body.			
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.			
surface area of lake: acres and average depth of lake: meters.			
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.			
Optional Information			
The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.			
For a stack release to air, provide the following information, if available: Inside diameter feet or meters	For a release to surface water, provide the following information, if available: Average Velocity feet/second		
Gas Exit Velocity feet/second or meters/second Gas Temperature degrees Fahrenheit, Kelvin, or Celsius	of Surface Water		

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary <u>Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source</u>

Name of Source:

Conesville Unit 3 - Permanently Shutdown

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

Normal Range

Upper Bound (in lbs. or kg per day)* Lower Bound

> Release Occurs Number of Days

(ber year)

Name of Hazardous Substance

CASRN#

Total Quantity

Released in Previous Year (in lbs. or kg) Months of the Release

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Normal Range of Components

Normal Range of

Mixture

Total Quantity of

Months

Name of

Components Substance Hazardous

Name of Mixture

CASRNE

Percentage Weight

(m lbs. or kg per day)*

Upper Bound

Lower Bound

(in lbs. or kg per day)*
Upper Lower
Bound Bound

Number of John Quantity of Days Release Mixture Released Occurs in Previous Year (per year)

(in bs. or kg) of the Release

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen Oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs.. kg. or Ci)

Unit 4
Units 5 and 6

114,041 lb 128,729 lb

TOTAL - SSI trigger for this hazardous substance release*: 242,770 lb.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

Unit 4

Units 5 and 6

6.008 lb

6,775 lb

TOTAL - SSI trigger for this hazardous substance release*: 12,783 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4
Units 5 and 6

10,031 lb

TOTAL - SSI trigger for this hazardous substance release*: 22,812 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4
Units 5 and 6

1,024 lb

1.305 lb

TOTAL - SSI trigger for this hazardous substance release*: 2,329 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

9.128 lb

13,483 lb.

TOTAL - SSI trigger for this hazardous substance release*: 22,611 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg. or Ci)

Unit 4
Units 5 and 6

2.2 lb

2.2 lb

TOTAL - SSI trigger for this hazardous substance release*: 4.4 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4
Units 5 and 6

19.9 lb

25.4 lb

TOTAL - SSI trigger for this hazardous substance release*: 45.3 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Calcium arsenate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4
Units 5 and 6

9.6 lb

8.6 lb

TOTAL - SSI trigger for this hazardous substance release*: 18.2 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 4

Units 5 and 6

15.9 lb

19.5 lb

TOTAL - SSI trigger for this hazardous substance release*: 35.4 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.



AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

August 11, 2011

U. S. EPA Region V Superfund Division 77 W. Jackson Blvd. Mail Code: S-6J Chicago, IL 60604

Attention: Mr. Richard Karl, Director

RE: Continuous Release Notification

Columbus Southern Power Company - Conesville Plant

Dear Mr. Karl:

The Columbus Southern Power Company is providing the EPCRA/CERCLA Continuous Release forms for a change in the normal range of Sulfuric Acid Aerosol, a reportable substance, from both Units 5 and 6 at our Conesville Power Plant. (CR-ERNS Nos. 522823).

The Conesville Power Plant consists of two decommissioned units and four operating electric steam generators. Units 1 and 2 are now permanently out of service. Unit 3 and Unit 4 emit their flue gas through their own separate chimneys. Units 5 and 6 emit their flue gas through the same chimney. This notification returns to reporting the upper bound of the combined emissions for Unit 5 and Unit 6 instead of reporting for the units individually at the Conesville plant. The initial continuous release phone notification and written notifications made in 2000 were made on an emission point basis for the Conesville Plant. The facility reported releases for the emissions from the Units 1 and 2 stack, the Unit 3 stack, the unit 4 stack, and the Units 5 and 6 stack.

In conjunction with the installation of pollution control equipment on Unit 4 that changed the characteristics of the emissions, a phone notification and follow-up written notification was made in 2009. Along with modifying the normal range for Unit 4, the other operating units at the Conesville Plant reported a change in emissions resulting from improvements in the method of calculating sulfuric acid emissions using sulfur trioxide concentration in the flue gas as the basis. At the time of this notification in 2009, the new calculation also separated the releases for Unit 5 and Unit 6 and reported normal ranges on an individual unit basis, not a stack emission point basis of the combined units as had been past practice. The cover memo identified the Unit 5 and 6 combined stack range as "Range from 1532 to 10,198 pounds". Later in that letter, the statement was made that "Units 5 and 6 combustion gases are discharged into a common stack but are reported as separate operating boilers, as they are independent operating emission units." Within the attachments that accompanied the letter, Section II forms were provided for each individual unit, Unit 5 and Unit 6, and the

Section III report listed the sulfuric acid upper bound for each unit individually for the SSI Trigger.

This submittal changes these forms. The basic parameters of the normal range remain the same with respect to the operating characteristics of the units. Since that report made in June 2009 and the one-year anniversary follow-up in 2010, several statistically significant increases and notifications of increases to the upper bound were made on ane individual unit basis for both Units 5 and 6 due to variations in the sulfur content of the fuels used in these units. The sulfur content used is within the specification of the allowed range of coal that these units are capable of burning and are within the Title V permitted limits. The subsequent reports of statistically significant increases and changes to the upper bound of the normal range were made using the convention of a unit basis. While we believe this convention was in compliance with the regulations, we also believe that converting back to the combined units from a single release point better matches the intent of the regulations. As such, we are modifying the lower and upper bound of the normal range to reflect the emissions from the single flue. The upper bound is now 13,483 pounds of sulfuric acid. This value is less than the sum of the highest values of each individual unit but reflects the combined operation and fuel used in these units.

The releases included in the attached reports are routine in nature, anticipated, intermittent and incidental to the normal operation of coal combustion at the Conesville Power Plant. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with seasonal operation of the equipment, hours of operation, fuel quality and other factors. The released quantity is expected to remain within these estimated ranges.

Enclosed are the updated forms for the Conesville Power Plant, Units 5 and 6 (CR-ERNS #522823). Specifically included are forms for Section I (General Information), Section II, (Source Information) and Section III, (calculation of the SSI Upper Bound). The calculation of the upper bound has changed for sulfuric acid only at Units 5 and 6. All other parameters remain as reported in the Initial Notification of 3/3/2000.

If you have any questions concerning this notice, please contact Georgeanne Hammond by telephone at 740-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick

Conesville Plant Manager

Enclosure

cc: Ohio Environmental Protection Agency Attn: State Emergency Response Commission 122 South Front Street Columbus, OH 43215

> Ohio Environmental Protection Agency Attn: Dean Ponchak 2195 Front Street Logan, OH 43138

James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812

G.M. Hammond – Conesville Plant
J. J. Henry – Legal
J.C. Hendricks/J.P. Novotny – ESD bc:

SECTION	I: GENERAL INFORMATION	CR-ERNS Number: 522820, 522822, 522823	
Date of In	itial Release:	Date of Initial Call to NRC: 03/13/2000	
Type of Report: Indicate below the type of report you are submitting. First Anniversary Written Notification of a Change to Initial Notification Report Indicate below the type of report you are submitting. Written Notification of a Change to Follow-up Report			
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge. Michael J. Zwick, Plant Manager, Conesville Plant Name and Position Signature Signature			
Part A. Faci	ility or Vessel Information		
Name of Facility or Vessel Conesville Power Plant Unit No. 3 - CR ERNS No. 522820 Conesville Power Plant Unit No. 4 - CR ERNS No. 522822 Conesville Power Plant Unit No. 5 and Unit No. 6- CR-ERNS No. 522823			
Person in Charge of Facility or Vessel	Name of Person in Charge Michael J. Zwice Position Plant Manager Telephone No. (740) 829-4101	Alternate Telephone No. (740) 829-4102	
Facility Address or Vessel Port of Registration	Street 47201 County Road 273 City Conesville	County Coshocton State OH Zip Code 43811	
· ·	dstreet Number for Facility 069	00684502	
Facility/Vess Location	el Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48 Vessel LORAN Coordinates	
Part B. Population Information			
Population Density	Choose the range that describes the popula (Indicate by placing an "X" in the appropr 0 - 50 persons 51 - 100 persons	ation density within a one-mile radius of your facility or vessel iate blank below). 101 - 500 persons more than 1000 persons X 501 - 1000 persons	
Sensitive Populations and Ecosystems Within One Mile Radius	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild Conesville Elementary Wetland Wetland	· · · · · · · · · · · · · · · · · · ·	

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesv	ille Units 5 and 6	
Indicate whether the release continuous without interruption		eed, intermittentX
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* Conesville Power Plant Units 5 and 6 are Combustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input design capacity of 4091 mmBTU/hr. Both steam generators are controlled with their own electrostatic precipitator and a wet lime flue gas desulphurization scrubber. After the gases are treated in the pollution controls, the gases combine in a single flue and chimney to be discharged into the environment. The initial notification of continuous release was filed on March 13, 2000. The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the unit at a higher capacity due to system demand. Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.		
3. Identify below how you est	ablished the pattern of release and calculated re	elease estimates.
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
<u>X</u> AP-42	X Best professional judgment	Other (explain)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II:	SOURCE
	INFORMATION
	(continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6			
Part B: Specific Information on the Source For the source identified above, provide the follows the following the source. Photocopy this page if	owing information. Please provide a SEPARATE necessary.		
AFFECTED MEDIUM. Identify the environmental mediaffected by the release from this source. If your source releasestepile releasing to air and ground water), treat the releasestection II, Parts A, B, and C, of this format for EACH mediates.	ases hazardous substances to more than one medium (e.g., a te to EACH medium as a separate source and complete		
AIR X (stack X or area) If the medissource is a stack or a ground-based area source.	um affected is air, please also specify whether the		
If identified source is a stack, indicate stack heig If identified source is an area source (e.g., waste emissions), indicate surface area: square f	pile, landfill, valves, tank vents, pump seals, fugitive		
SURFACE WATER (stream, lake	_, or other)		
If the release affects any surface water body, give	ve the name of the water body.		
stream order: or average flow rate:	of the lake in acres and the average depth in meters.		
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance	to the closest water well.		
Optional In	formation		
The following information is not required in the final evaluating the risks associated with the continuous re make conservative assumptions about the appropr are suggested units. You may use other units; however	lease. If this information is not provided, EPA will riate values. Please note that the units specified below		
For a stack release to air, provide the following information, if available: Inside diameter 33.85' feet or meters Gas Exit Velocity 78.4-f/s feet/second or meters/second Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water		

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

522823

Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary

Name of Source:

Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

Name of Hazardous Substance Sulfuric Acid Unit 5 and Unit 6 All Other Substances Remain CASRN# 7664939 Upper Bound 13,483 lb. (in lbs. or kg per day)* Normal Range Lower Bound 766 lb. Release Occurs Number of Days (per year) Released in Previous Year (in lbs. or kg)* Total Quantity 322,329 lb. Months of the Release

Notification 3/13/2000

as reported in Initial

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Name of Mixture Components Hazardous Substance Name of CASRN# Percentage Weight (in lbs. or kg per day)* Upper Bound Normal Range of Components Lower Bound (in lbs. or kg per day)*
Upper Lower Upper Bound Normal Range of Mixture Bound Number of Local Quantity of Days Release Mixture Released per year Occurs Total Quantity of in Previous Year (in lbs. or kg) Months of the Release

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

<u>Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)</u>

Unit 3

Unit 4

Units 5 and 6

2,262 lb.

9.128 lb

13,483 lb.

TOTAL - SSI trigger for this hazardous substance release*: 24,873 lb

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	CR-ERNS #:	
Type of Report: Indicate below the type of report you are submitting. First Anniversary Follow-up Report Report Written Report Written Report	cation Written Notification of a Change to	
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge. Michael J. Zwick Name and Position Signature		
Population Density: Choose the range that describes the population density within a one-mile radius of your facility. 0 - 50 people 101 - 500 people Over 1000 people 51-100 people 501- 1000 people		
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility. Sensitive Population or Ecosystems Distance and direction from facility		



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 77 WEST JACKSON BOULEVARD CHICAGO, IL 60604-3590

FEB 0 9 2011

REPLY TO THE ATTENTION OF:

SC-5J

2/16/11 MM

Ms. Georgeanne Hammond American Electric Power 47201 CR273 Conesville, OH 43811-9799

Dear Ms. Hammond:

Enclosed is a copy of the earliest report we have from your facility.

Sincerely,

Bill Sandstrom

Encl.





AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

January, 15, 2011

U. S. EPA Region V – Mr. William Sandstrom Continuous Release Coordinator 77 W. Jackson Blvd. Mail Code: SC-6J Chicago, IL 60604

RE: Written Follow-up Report **Continuous Release Notification** Columbus Southern Power Company - Conesville Plant

Dear Mr. Sandstrom:

On December 15, 2010, Ms. Melissa Helmick and Mr. Louis Ianniello of Columbus Southern Power Company notified the National Response Center (NRC) of a statistically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 5 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, 522823). The call to the NRC was assigned incident report #962313. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 7,549 pounds, or 967 pounds over the upper bound in the continuous release report on file. 658V

The new normal range is based on this change in operating demand. The operation? remains continuous and stable in quantity and rate, with the quantity increasing directly due to operating capacity.

I have enclosed the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at 740-829-4065 or by email at gmhammond@aep.com.

Sincerely,

Brian F. Scragg

Acting Manager Manager, Conesville Power Plant

l

Mr. William Sandstrom U. S. EPA Region V Written Follow-up Report January, 15, 2011 Page 2

Enclosures

cc: Ohio Environmental Protection Agency
Attn: State Emergency Response Commission
122 South Front Street
Columbus, OH 43215

Ohio Environmental Protection Agency Attn: Dean Ponchak 2195 Front Street Logan, OH 43138

James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812

G.M. Hammond – Conesville Plant J. J. Henry – Legal J.C. Hendricks/J.P. Novotny – ESD bc:

SECTION	I: GENERAL INFORMATION	CR-ERNS Number: 522823	
Date of 1	nitial Release:	Date of Initial Call to NRC: 03/13/2000	
Type of Report: Indicate below the type of report you are submitting. First Anniversary Written Notification of a Change to Report Initial Notification Follow-up Report Follow-up Report			
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge. Brian F. Scragg. Acting Manager, Conesville Plant			
oder francisco	12-11	Stame and Cosition	
A CONTROL	Date	Signature	
Part A. Fac	ility or Vessel Information		
Name of Facility or Vessel Conceville Power Plant Unit No. 3 - CR-ERNS No. 522822 Conceville Power Plant Unit No. 4 - CR-ERNS No. 522822 Conceville Power Plant Unit No. 5 - CR-ERNS No. 522823 Conceville Power Plant Unit No. 6 - CR-ERNS No. 522823			
Person in Charge	Name of Person in Charge Mark S. Bormar	n	
of Facility or Vessel	Position Plant Manager		
Facility	Telephone No. (740) 829-4101	Alternate Telephone No. (740) 829-4102	
Address or Vessel	Street 47201 County Road 273	County _{Mason}	
Port of Registration	City Conesville	State OH Zip Code 43811	
1,7		0684502	
Facility/Vess Location	el Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 Vessel LORAN Coordinates 52 Sec 48	
Part B. Population Information			
Population Density	Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below). 0 - 50 persons		
Sensitive Populations	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wildl		
and Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland	0.75 mile NW 0.75 mile N 0.75 mile S	

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conest	ville Unit 5	
1. Indicate whether the release	e from this source is either:	
continuous without interrupt	ion OR routine, anticipat	red, intermittent X.
If malfunction, describe the continuous and stable in qualifonesville Power Plant Unit 5 is a Co of 4091 mmBTU/hr controlled with an The initial notification of continuous rather releases associated with this source the increase in the upper bound of the of the calculations method used to estimate the calculations for releases of identified malfunctions under other state and fed	imbustion Engineering pulverized coal, dry-bottom boiler has electrostatic precipitator and a wet lime flue gas desulphing	he malfunction should be considered having a nominal heat input design capacity urization scrubber. cam energy for the production of electricity. N # 7664939, is the result of a re-evaluation entain periods that may be defined as clusion in 40 CFR Part 302.8 Continuous
3. Identify below how you es	tablished the pattern of release and calculated re	lease estimates.
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
	X Best professional judgment	Other (explain)
X AP-42		· · · · · · · · · · · · · · · · · · ·
X AP-42		(O.punt)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Name of Source: Conesville Unit 5	
Part B: Specific Information on the Source	
For the source identified above, provide the followheet for EACH source. Photocopy this page if	owing information. Please provide a SEPARATE necessary.
AFFECTED MEDIUM. Identify the environmental mediaffected by the release from this source. If your source releases wastepile releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH mediates.	ases hazardous substances to more than one medium (e.g., a se to EACH medium as a separate source and complete
AIR X (stack X or area) If the medisource is a stack or a ground-based area source.	um affected is air, please also specify whether the
If identified source is a stack, indicate stack heig	ht: 800 feet or meters: OR
· ·	pile, landfill, valves, tank vents, pump seals, fugitive
SURFACE WATER, lake, lake	, or other)
If the release affects any surface water body, gi	ve the name of the water body.
If the release affects a stream, give the stream of	der or average flow rate, in cubic feet per second.
stream order: or average flow rate:	· · · · · · · · · · · · · · · · · · ·
	of the lake in acres and the average depth in meters.
surface area of lake: acres and average de	
	110000
SOIL OR GROUND WATER	
If the release is on or under ground, indicate the distance	to the closest water well.
Optional In	formation
The following information is not required in the final evaluating the risks associated with the continuous re make conservative assumptions about the appropr are suggested units. You may use other units; however	lease. If this information is not provided, EPA will iate values. Please note that the units specified below
For a stack release to air, provide the following	For a release to surface water, provide the
information, if available:	following information, if available:
Inside diameter 26 feet or meters Gas Exit Velocity 78.4 f/s feet/second or	Average Velocityfeet/second of Surface Water
meters/second	THE REPORT OF THE PROPERTY OF
Gas Temperature 324.8K degrees Fahrenheit,	
Kelvin, or Celsius	

SECTION II: SOURCE INFORMATION (continued)

522823 CR-ERNS Number: Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Conesville Unit 5 Name of Source: List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Released in Previous Year Total Quantity Number of Days Release Occurs (in lbs. or kg per day)* Normal Range

Months of the 2 (in lbs. or kg)* (per year) Lower Bound 766 Upper Bound 7,549 CASRN # 7664939 Name of Hazardous Substance Sulfuric Acid

All Other Substances Remain

as reported in Initial

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Total Quantity of Days Release Mixture Released in Previous Year (in lbs. or kg) Number of (per vear) Occurs (in lbs. or kg per day)* Normal Range of Upper Lower Bound Bound Mixture (in lbs. or kg per day)* Normal Range of Lower Bound Components Upper Bound Percentage CASRN# Substance Components **Flazardous** Name of Name of Mixture

Release

Months of the

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

October 3, 2011

U. S. EPA Region V—Continuous Release Coordinator 77 W. Jackson Blvd,
Mail Code: SC-6J
Chicago, IL 60604

Re: Written Follow-up Report
Continuous Release Notification – 991230

Columbus Southern Power-Conesville Plant

Dear Sir:

On September 29, 2011, Mr. Miles Kimball of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Units 5 & 6 at our Conesville Power Plant. (CR-ERNS -522823). The call to the NRC was assigned incident report number 991230 for September 29, 2011 @ 19:40. The increase in emissions resulted from a higher than normal concentration of Sulfur in the coal that was burned by these units. The estimated 24-hour emission of Sulfuric Acid Aerosol was 15906 pounds or 976 pounds over the upper bound in the continuous release report on file.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick

Plant Manager

Columbus Southern Power, Conesville Plant

SECTION I: GENERAL INFORMATION		CR-ERNS Number: 522820, 522822, 522823
Date of Initial Release:		Date of Initial Call to NRC: 03/13/2000
Type of Report: Indicate below the type of report you are submitting.		
Initial Written Notification First Anniversary Follow-up Report		Written Notification of a Change to Initial Notification Written Notification of a Change to Follow-up Report
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accumate and current to the best of my knowledge. Michael J. Zwick, Plant Manager Conesville Plant		
10/3/2011 Date		Name and Position Signature
Part A. Facility or Vessel Information		
Name (of Facility or Vessel Conesville Power Plant Unit No Co		lo. 4 - CR-ERNS No. 522822 lo. 5 - CR-ERNS No. 522823
iin (Charge Name of Person in Charge Michael J. Zwick		
offRacility		
Address or	Street 47201 County Road 273	County Coshocton
Wessel Routof Registration	City Conesville	State OH Zip Code 43811
Dunand Bradstreet Number for Facility 0690684502		
Hacility/Vess Location	el Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48 Vessel LORAN Coordinates
Part B. Population Information		
Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below). 0 - 50 persons 101 - 500 persons more than 1000 persons 51 - 100 persons 501 - 1000 persons		
Rensitive Repullations (e.g., schools, hospitals, wetlands, wildlife preserves, etc.) Distance and direction from factors and direction facto		
Kcosystems Wiffiin One Wille Radius	Conesville Elementary Wetland Wetland	0.75 mile NW 0.75 mile N 0.75 mile S

SECUTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Partt A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or wessel, provide the following information on a SEPARATE sheet. Photocopy this page if innecessary.

iecessary.		
Name of Source: Conesvi	lle Units 5 and 6	
11. Hadicate whether the release	from this source is either: on OR routine, anticipate	d, intermittent X
Iffimalfunction, describe the recontinuous and stable in quare Conesville Power Plant Units 5 and 6 as design capacity of 4091 mmBTU/hr. Edesulphurization scrubber. After the galdischarged into the environment. The initial notification of continuous results increase in the upper bound of the unitial a higher capacity due to system. Calculations for releases of identified simulfunctions under other state and federal continuous under other state and federal capacity.	are Combustion Engineering pulverized coal, dry-bottom be Both steam generators are controlled with their own electrons are treated in the pollution controls, the gases combined elease was filed on March 13, 2000. The result from the combustion of fossil fuels to produce steat normal range of Sulfuric Acid Aerosol emissions, CASRN	e malfunction should be considered oilers each having a nominal heat input static precipitator and a wet lime flue gas e in a single flue and chimney to be un energy for the production of electricity. I # 7664939, is the result of operating the tain periods that may be defined as lusion in 40 CFR Part 302.8 Continuous
3. Hdentify below how you est	ablished the pattern of release and calculated rele	ease estimates.
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
<u>X</u> AP-42	X Best professional judgment	Other (explain)
* NEston that we make in the land		

^{**} Note: that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, ido not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II:	SOURCE
	INFORMATION
	(continued)

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6	·					
Part B: Specific Information on the Source						
Forthe source identified above, provide the followsheetffor EACH source. Photocopy this page if						
ARRECTED MEDIUM. Identify the environmental medius affected by the release from this source. If your source release wastepide releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH median	ses hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete					
SSOURCE is a stack or a ground-based area source.	m affected is air, please also specify whether the					
If identified source is a stack, indicate stack heigh	nt: 800 feet or meters; OR					
	pile, landfill, valves, tank vents, pump seals, fugitive					
SURFACE WATER (stream, lake	, or other)					
If the release affects any surface water body, giv	e the name of the water body.					
If the release affects a stream, give the stream ord	der or average flow rate, in cubic feet per second.					
stream order: or average flow rate:	cubic feet/second; OR					
If the release affects a lake, give the surface area	of the lake in acres and the average depth in meters.					
surface area of lake: acres and average de	pth of lake: meters.					
SOIL OR GROUND WATER						
Iffitherrelease is on or under ground, indicate the distance to the closest water well.						
Optional Inf	ormation					
The following information is not required in the final revaluating the risks associated with the continuous relamble conservative assumptions about the appropriate suggested units. You may use other units; however	ease. If this information is not provided, EPA will intervalues. Please note that the units specified below					
For a stack release to air, provide the following iinformation, if available: Unside diameter 33.85' feet or meters Gas Exit Velocity 78.4-t/s feet/second or meters/second	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water					
Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius						

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source: Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

Control of the Contro				,	The second section is a second	
		Norma (in lbs. or k	Normal Range (in the or keeper day)*	Number of Days	Total Quantity	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. or kg)*	Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7,343 lb.	766 lb.	365	174,846 lb.	12
All Other Substances Remain						

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

as reported in Initial
Notification 3/13/2000

Release	(in lbs. or kg)	(per year)	Bound Bound	Bound	Bound	Percentage	CASRN#	Components	Name of Mixture
of the	in Previous Year	Occurs	Lower	Lower	Upper	Weight		Substance	
Months	Mixture Released	Days Release	g per day)*	(in lbs. or kg per day)*	in lbs. or l	<u> </u>		Hazardous	
1	Number of lotal Quantity of	Number of	Mixture	Components	Comp			Name of	
			Normal Range of	ormal Range of	Normal				

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

IFOTIENCH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

Thosalculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to imblude the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

<u>Upper Bound of the Normal Range of</u> the Release (specify lbs., kg, or Ci)

Unit 3

Unit 4

Units 5 and 6

(Unit 5 - 7549 lb.)

(Unit 6 - 7381 lb.)

2,262 lb.

9,128 lb

15906 lb.

TROTAL - SSI trigger for this hazardous substance release*: 26,320 II

**Ilhis method for calculating the SSI trigger for the hazardous substance assumes that all releases of the ssame/hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release intowords all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	CR-ERNS #:					
Type of Report: Indicate below the type of report you	are submitting.					
Written Anniversary of	Vritten Notification Ta Change to Initial Vritten Report Written Notification of a Change to Follow-up Report					
Signed Statement: I certify that the hazardous substantiand stable in quantity and rate under the definitions in submtted information is accurate and current to the best	40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all st of my knowledge.					
Michael	J Zwick Plane Manager Name and Position					
10/3/2011 Mela.	Signature					
Population Density: Choose the range that describes t	he population density within a one-mile radius of					
0 - 50 people 101	l - 500 people Over 1000 people					
51-100 people 501	l- 1000 people					
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.						
Sensitive Population or Ecosystems	Distance and direction from facility					

CR-ERNS Report Addendum to Form R

Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name	of Source:						
3	te whether the release from this source is either: uous without interruption OR routine, anticipated, intermittent						
5	n of the Release: Identify below how you established the pattern of release and calc e estimates.	culated					
The control of the co	Past release data Knowledge of the facility's Engineering operations and release history	ng Estimates					
90	AP-42 Best professional judgement Other (exp	lain)					
Environ	nmental Medium affected by the release from this source:						
	Air Surface Water Soil or Groun	d Water					
Air	If release is to air, please indicate stack height OR surface area of the release. ———————————————————————————————————	a					
Surface Water If release is to Surface Water, please indicate name, type and specific information of the water body: Name of water body							
If stream: Stream Order OR Average flow rate (ft ³ /sec) If lake: Surface area (ac) AND Average Depth (m)							
If lake: Surface area (ac) AND Average Depth (m) Soil or Indicate distance of closest water well:							
7 1 4 1 4 6 1 4 4 1 1							



AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

June 7, 2011

U. S. EPA Region V—Mr. William Sandstrom Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604

Re: Written Follow-up Report

Continuous Release Notification – 978656

Columbus Southern Power-Conesville Plant, Unit 6

Dear Mr. Sandstrom:

On June 4, 2011, Mr. Louis Ianniello of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, and 522823). The calls to the NRC were assigned incident report numbers 978656 for June 4, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 7,881 pounds or 49 pounds over the upper bound in the continuous release report on file. Temperature at the time was 71 degrees and wind speed was 10 mph.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, the with quantity increasing directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely

Michael J. Zwick Plant Manager

Columbus Southern Power, Conesville Plant

SECTION	I: GENERAL INFORMATION	CR-ERNS Number: 522820, 522822, 522823						
Date of In	itial Release:	Date of Initial Call to NRC: 03/13/2000						
	Port: Indicate below the type of report y First Anniversary Follow-up Report							
quantity and ra accurate and c	·	stances releases described herein are continuous and stable in a) or 355.4(a)(2)(iii) and that all submitted information is Michael J. Zwick, Plant Manager, Conesville Plant Name and Position Signature						
Part A. Faci	ility or Vessel Information							
Name of Facility or Vessel Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820 Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822 Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823 Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823								
Person in Charge of Facility or Vessel Facility Address or Vessel Name of Person in Charge Michael J. Zwick Position Plant Manager Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102 County Coshocton City Coshocton								
								Port of Registration
Dun and Bra	dstreet Number for Facility 069	0684502						
Facility/Vesso Location	Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48 Vessel LORAN Coordinates						
Part B. Pop	oulation Information							
Population Density	Choose the range that describes the popula (Indicate by placing an "X" in the appropr 0 - 50 persons 51 - 100 persons	tion density within a one-mile radius of your facility or vessel iate blank below). X 101 - 500 persons more than 1000 persons 501 - 1000 persons						
Sensitive Populations and	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild	life preserves, etc.)						
Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland	0.75 mile NW 0.75 mile N 0.75 mile S						

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesvi	lle Units 5 and 6		
1. Indicate whether the release	from this source is either:		
continuous without interrupti	on O	R routine, anticipated	d, intermittent X
If malfunction, describe the recontinuous and stable in qua. Conesville Power Plant Units 5 and 6 a design capacity of 4091 mmBTU/hr. It desulphurization scrubber. After the gradischarged into the environment. The initial notification of continuous recontinuous re	malfunction and explain wantity and rate.* are Combustion Engineering pure Both steam generators are contrases are treated in the pollution belease was filed on March 13, 2 are result from the combustion of normal range of Sulfuric Acid demand. Substances include periods of steral regulatory programs but me	why the release from the alverized coal, dry-bottom be colled with their own electros controls, the gases combined to the controls of fossil fuels to produce stead Aerosol emissions, CASRN artup and shutdown and certificate the requirements for inclinations.	static precipitator and a wet lime flue gas in a single flue and chimney to be menergy for the production of electricity. # 7664939, is the result of operating the tain periods that may be defined as usion in 40 CFR Part 302.8 Continuous
3. Identify below how you est	ablished the pattern of rel	ease and calculated rele	ease estimates.
X Past release data	X Knowledge of t		X Engineering estimate
<u>X</u> AP-42	X Best profession	al judgment	Other (explain)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

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CR-ERNS	Report	Addendum	to	Form:	R
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CR.	ERNS	: #·
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Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name	of Source:				
	te whether the release f uous without interrupti			ed, intermittent	
	of the Release: Identi estimates.	fy below how you esta	ablished the pat	tern of release and calc	culated
	Past release data	-	the facility's release history	_	ng Estimates
	. AP-42	Best professio	nal judgement	Other (exp	olain)
Environ	mental Medium affecte	ed by the release from	this source:		
	. Air	Surface	Water _	Soil or Groun	nd Water
Air		lease indicate stack he tack Height O			a
Surface Water If release is to Surface Water, please indicate name, type and specific information of the water body: Name of water body					
		Stream Order Surface area (ac)		Average flow Average Dep	` 1
Soil or Ground Wa	Indicate dista	unce of closest water w	vell:		
Hazardou Name of I	s Substance Informatio	n: Upper Bound	Lower Bound	Number of Days Release	Months of
Substance	CA CDAT-			Occurs (per year)	the Release

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CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

L						
Name of Facility:	CR-ERNS#:					
Written Anniversary of a	itten Notification Change to Initial itten Report Written Notification of a Change to Follow-up Report					
Signed Statement: I certify that the hazardous substandand stable in quantity and rate under the definitions in 4 submtted information is accurate and current to the best	0 CFR 302.8(a) or 355.4(a)(2)(iii) and that all					
	Name and Position					
Date	Signature					
Population Density: Choose the range that describes the your facility.	e population density within a one-mile radius of					
	- 500 people — Over 1000 people 1000 people					
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.						
Sensitive Population or Ecosystems	Distance and direction from facility					

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SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

<u>Upper Bound of the Normal Range of</u> the Release (specify lbs., kg, or Ci)

Unit 3

Unit 4

Units 5 and 6

(Unit 5 - 7549 lb.)

(Unit 6 - 7832 lb.)

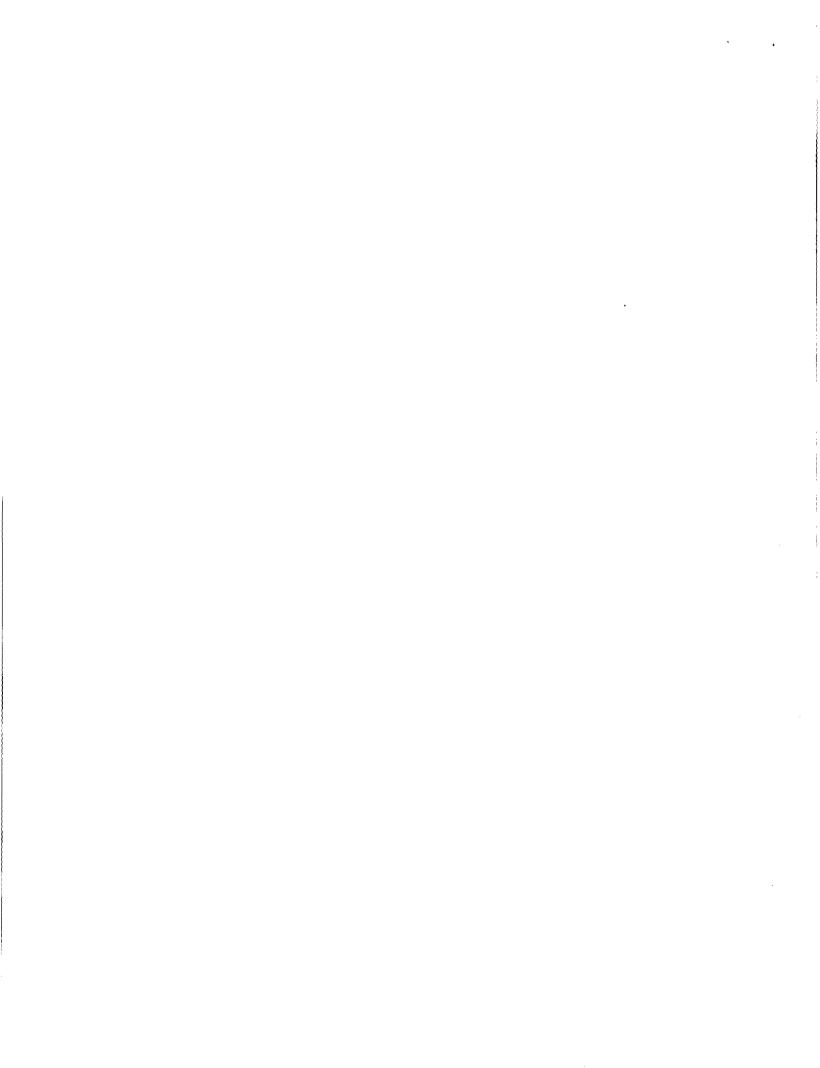
2,262 lb.

9,128 lb

14,930 lb.

TOTAL - SSI trigger for this hazardous substance release*: 26,320 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.



SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

522823

Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary

Name of Source: Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance, List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

,		Norma	Normal Range	Number of Davs	Total Quantity	
		(in lbs. or k	g per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN #	Upper Bound Lower Bound	Lower Bound	(per year)	(in lbs. or kg)*	Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7,832 lb.	766 lb.	365	174,846 lb.	12
All Other Scholars Person						

All Other Substances Remain

as reported in Initial

Notification 3/13/2000

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

or the Release	in Previous Year (in lbs. or kg)	(per year)	Upper Lower Bound Bound	Upper Lower Bound	Upper Bound	Weight Percentage	CASRN#	Substance Components	Name of Mixture
Monus	Days Release Mixture Released	Days Release	g per day)*	kg per day)*	n lbs. or	! : :		Hazardous	
	Iotal Quantity of	Number of	Mixture	ponents	Com			Name of	
			Normal Range of	formal Range of	Norma				

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

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SECTION II:	SOURCE
	INFORMATION
	(continued)

Gas Temperature 324.8K degrees Fahrenheit,

Kelvin, or Celsius

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6	· · · · · · · · · · · · · · · · · · ·					
Part B: Specific Information on the Source						
For the source identified above, provide the follo sheet for EACH source. Photocopy this page if						
AFFECTED MEDIUM. Identify the environmental mediu affected by the release from this source. If your source release wastepile releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH medium.	ases hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete					
AIR X (stack X or area) If the medius source is a stack or a ground-based area source.	ım affected is air, please also specify whether the					
If identified source is a stack, indicate stack heigh	nt: 800 feet or meters; OR					
	pile, landfill, valves, tank vents, pump seals, fugitive					
SURFACE WATER (stream, lake	, or other)					
If the release affects any surface water body, giv	e the name of the water body.					
If the release affects a stream, give the stream order: or average flow rate:	cubic feet/second; OR					
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.						
surface area of lake: acres and average depth of lake: meters.						
SOIL OR GROUND WATER						
If the release is on or under ground, indicate the distance to the closest water well.						
Optional Information						
The following information is not required in the final revaluating the risks associated with the continuous relemake conservative assumptions about the appropri are suggested units. You may use other units; however	rule; however, such information will assist EPA in ease. If this information is not provided, EPA will iate values. Please note that the units specified below					
For a stack release to air, provide the following information, if available: Inside diameter 33.85' feet or meters Gas Exit Velocity 78.4-f/s feet/second or meters/second	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water					

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SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Uni	ts 5 and 6
1. Indicate whether the release from	his source is either:
continuous without interruption	OR routine, anticipated, intermittent X
If malfunction, describe the malfur continuous and stable in quantity a Conesville Power Plant Units 5 and 6 are Condesign capacity of 4091 mmBTU/hr. Both stedesulphurization scrubber. After the gases are discharged into the environment. The initial notification of continuous release we the releases associated with this source result. The increase in the upper bound of the normal unit at a higher capacity due to system demand	abustion Engineering pulverized coal, dry-bottom boilers each having a nominal heat input am generators are controlled with their own electrostatic precipitator and a wet lime flue gas treated in the pollution controls, the gases combine in a single flue and chimney to be as filed on March 13, 2000. from the combustion of fossil fuels to produce steam energy for the production of electricity. range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of operating the like.
malfunctions under other state and federal reg	tes include periods of startup and shutdown and certain periods that may be defined as allatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous of 40 CFR Part 355 Emergency Planning and Notification.
2 11 46 1 1 1 4 4 11 1	
3. Identify below now you establish	ed the pattern of release and calculated release estimates.
X Past release data	Knowledge of the facility/vessel's X Engineering estimate operations and release history
<u>X</u> AP-42	Best professional judgment Other (explain)
	as snills, nine runtures, equinment failures, emergency shutdowns, or accidents

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION	I: GENERAL INFORMATION	CR-ERNS	Number: 522820, 522822, 522823		
Date of In	itial Release:	Date of Initi	al Call to NRC: 03/13/2000		
Type of Ro	eport: Indicate below the type of report y First Anniversary	.0	Weight and Alected		
Initial W	ritten Notification Filst Anniversary Follow-up Report	Written Notific	of a Change to		
quantity and ra	tement: I certify that the hazardous sub ate under the definitions in 40 CFR 302.8(a current to the best of my knowledge.) or 355.4(a)(2)(iii) a	nd that all submitted information is		
5	Michael J. Zwick, Plant Manager Conesville Plant Name and Position Date Michael J. Zwick, Plant Manager Conesville Plant Name and Position Signature				
Part A. Fac	lity or Vessel Information				
Name of Facility or Vessel Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820 Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822 Conesville Power Plant Unit No. 5 - CR-ERNS No. 522823 Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823					
Person in Charge	Name of Person in Charge Michael J. Zwick				
of Facility or Vessel	Position Plant Manager				
Facility -	Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102				
Address or Vessel	Street 47201 County Road 273	• (County Coshocton		
Port of Registration	City Conesville State OH Zip Code 43811				
Dun and Bra	dstreet Number for Facility 069	0684502			
Facility/Vesson	Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48	Vessel LORAN Coordinates		
Part B. Population Information					
Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below). Density O - 50 persons 101 - 500 persons more than 1000 persons 51 - 100 persons X 501 - 1000 persons					
Sensitive Populations	Sensitive Populations or Eco (e.g., schools, hospitals, wetlands, wild	•	Distance and direction from facility		
and Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland		0.75 mile NW 0.75 mile N 0.75 mile S		

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AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

May 26, 2011

U. S. EPA Region V—Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604

Re: Written Follow-up Report

Continuous Release Notification – 977443 Columbus Southern Power-Conesville Plant

Dear Sir:

On May 25, 2011, Mr. Miles Kimball of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ER/IS -522823). The call to the NRC was assigned incident report number 977443 for May 25, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 7,832 pounds or 438 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, the with quantity increasing directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick

Plant Manager

Columbus Southern Power, Conesville Plant



AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEP Ohio.com

May 23, 2011

U. S. EPA Region V—Mr. William Sandstrom Continuous Release Coordinator 77 W. Jackson Blvd, Mail Code: SC-6J Chicago, IL 60604

Re: Written Follow-up Report

Continuous Release Notification – 967006, 976146 Columbus Southern Power-Conesville Plant

Dear Mr. Sandstrom:

On May 11 & 12, 2011, Mr. Mark Grier of Columbus Southern Power's Conesville Plant notified the National Response Center of a statically significant increase of the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from Unit 6 at our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, and 522823). The calls to the NRC were assigned incident report numbers 967006 for May 11, 2011 and 976146 for May 12, 2011. The increase in emissions resulted from the high level of generation by this unit due to system demand as compared to that used to estimate the previous upper bound of the normal range. The estimated 24-hour emission of Sulfuric Acid Aerosol was 7,394 pounds or 13 pounds over the upper bound in the continuous release report on file.

The new normal range is based on this change in operating demand. The operation remains continuous and stable in quantity and rate, with the increase in quantity directly due to operating capacity.

Enclosed are the revised Continuous Release Report forms for the new normal range. At this time, no changes to the previous reported upper bound is being requested or proposed. If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at (740)-829-4065 or by e-mail at gmhammond@aep.com.

Sincerely,

Michael J. Zwick

Plant Manager

Columbus Southern Power, Conesville Plant

SECTION	I: GENERAL INFORMATION	CR-ERNS	Number: 522823		
Date of Initial Release: 3/13/2000		Date of Initi	al Call to NRC:		
Type of Re	eport: Indicate below the type of report y	you are submitting.			
Initial W	ritten Notification First Anniversary Follow-up Report	Written Notification of a Change to Initial Notification	o of a Change to		
quantity and ra	tement: I certify that the hazardous sub ate under the definitions in 40 CFR 302.8(a urrent to the best of my knowledge.	a) or 355.4(a)(2)(iii) a			
			me and Position		
5/23/2011	Date	Whilas	Signature		
Part A Faci	ility or Vessel Information				
1 att A. Fac	mity of vessel information				
Name of Fac	Name of Facility or Vessel Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823				
Person in Charge	Name of Person in Charge Michael J. Zwick				
of Facility or Vessel	Position Plant Manager				
Facility -	Telephone No. (740) 829-4101 Alternate Telephone No. (740) 829-4102				
Address or Vessel	Street 47201 County Road 273	(County Coshocton		
Port of Registration	City Conesville		State OH Zip Code 43811		
0	dstreet Number for Facility 069	90684502			
Facility/Vesso Location	Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48	Vessel LORAN Coordinates		
Part B. Population Information					
Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below). 0 - 50 persons 101 - 500 persons more than 1000 persons 51 - 100 persons 501 - 1000 persons					
Sensitive Populations	Sensitive Populations or Ecosystems (e.g., schools, hospitals, wetlands, wildlife preserves, etc.) Distance and direction from facility				
and Ecosystems Within One Mile Radius	Conesville Elementary Wetland Wetland	mo preserves, etc.)	0.75 mile NW 0.75 mile N 0.75 mile S		

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SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesvi	lle Units 5 and 6				
1. Indicate whether the release	from this source is ei	ther:			
continuous without interruption	on	OR rou	itine, anticipate	d, intermittent	<u>x</u> .
2. Identify the activity(ies) that If malfunction, describe the recontinuous and stable in quart Conesville Power Plant Units 5 and 6 a design capacity of 4091 mmBTU/hr. Edesulphurization scrubber. After the gardischarged into the environment. The initial notification of continuous reactive increase in the upper bound of the unit at a higher capacity due to system. Calculations for releases of identified s malfunctions under other state and feder Releases, and as incorporated by reference.	nalfunction and explantity and rate.* re Combustion Engineerion steam generators are uses are treated in the policies was filed on March e result from the combust normal range of Sulfuric demand. ubstances include periods ral regulatory programs by	ain why the ing pulverized controlled wit lution controls, 13, 2000. ion of fossil fu Acid Aerosol of sof startup and but meet the re	release from the coal, dry-bottom be their own electro the gases combine els to produce steatemissions, CASRN I shutdown and cer quirements for incl	e malfunction sho	nominal heat input d a wet lime flue gas chimney to be duction of electricity. esult of operating the
					
3. Identify below how you est	ablished the pattern o	of release and	d calculated rela	ease estimates.	
X Past release data	X Knowledge operations	e of the facil s and release	•	X Engin	neering estimate
X AP-42	X Best profes	sional judgi	nent	Othe	r (explain)
			·	· · · · · · · · · · · · · · · · · · ·	

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II:	SOURCE
	INFORMATION
	(continued)

Gas Exit Velocity 78.4-1/s feet/second or

Gas Temperature 324.8K degrees Fahrenheit,

meters/second

Kelvin, or Celsius

CR-ERNS Number: 522823

Name of Source: Conesville Units 5 and 6
Part B: Specific Information on the Source
For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.
AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.
AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.
If identified source is a stack, indicate stack height: 800 feet or meters; OR
If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.
⊘ SURFACE WATER (stream, lake, or other)
If the release affects any surface water body, give the name of the water body.
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: acres and average depth of lake: meters.
SOIL OR GROUND WATER
If the release is on or under ground, indicate the distance to the closest water well.
Optional Information
The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.
For a stack release to air, provide the following information, if available: Inside diameter 33.85' feet or meters Gas Exit Velocity 78.4-t/s feet/second or For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source:

Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

All Other Substances Remain	Sulfuric Acid Unit 6	Sulfuric Acid Unit 5	Name of Hazardous Substance
	7664939	7664939	CASRN #
	7,394 lb.	7,549 lb.	Normal Range (in lbs. or kg per day)* Upper Bound Lower Bo
	766 lb.	766 lb.	Normal Range lbs. or kg per day)* bound Lower Bound
	365	365	Number of Days Release Occurs (per year)
	174,846 lb.	147,483 lb.	ys Total Quantity s Released in Previous Year M (in lbs. or kg)*
	12	12	Months of the Release

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

as reported in Initial
Notification 3/13/2000

Name of Mixture	
Name of Hazardous Substance Components	
CASRN#	
Weight Percentage	
Comp in lbs. or k Upper Bound	
day)*	ormal Range of
Mixture (in lbs. or kg per day)* Upper Lower Bound Bound	Normal Range of
Number of Days Release Occurs (per year)	
Number of Days Release Mixture Released Occurs in Previous Year (per year) (in lbs. or kg)	
Months of the Release	

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 3

Unit 4

Units 5 and 6

(Unit 5 - 7549 lb.)

(Unit 6 - 7381 lb.)

2,262 lb.

9.128 lb

14,930 lb.

TOTAL - SSI trigger for this hazardous substance release*: 26,320 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	CR-ERNS #:				
Written Anniversary Follow-up 0	vare submitting. Vritten Notification f a Change to Initial Vritten Report Written Notification of a Change to Follow-up Report				
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submtted information is accurate and current to the best of my knowledge.					
-	Name and Position				
Date	Date Signature				
Population Density: Choose the range that describes your facility.	the population density within a one-mile radius of				
0 - 50 people 101 - 500 people Over 1000 people					
51-100 people 501- 1000 people					
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.					
Sensitive Population or Ecosystems	Distance and direction from facility				

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Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name	of Source:	,	
4		from this source is either: ion OR routine, anticip	ated, intermittent
ľ	of the Release: Identi	ify below how you established the p	pattern of release and calculated
	Past release data	Knowledge of the facility's operations and release history	Engineering Estimates
	. AP-42	Best professional judgemen	nt Other (explain)
Environ	mental Medium affect	ed by the release from this source:	
Environ	mental Medium affect . Air	ed by the release from this source: Surface Water	Soil or Ground Water
Environ Air	. Air	•	
	. Air If release is to air, p	Surface Water	ace area of the release.
	Air If release is to air, p S If release is to Surfa of the water body:	Surface Water blease indicate stack height OR surface Height OR ace Water, please indicate name, type	Sace area of the release. Surface Area De and specific information
Air Surface Vater	If release is to air, p S If release is to Surfa of the water body: Name of water body If stream:	Surface Water blease indicate stack height OR surfack Height OR ace Water, please indicate name, type	Sace area of the release. Surface Area De and specific information Average flow rate (ft³/sec)
Air surface	If release is to air, p S If release is to Surfa of the water body: Name of water body If stream: If lake:	Surface Water please indicate stack height OR surface Height OR ace Water, please indicate name, type Stream Order OR	Sace area of the release. Surface Area De and specific information Average flow rate (ft ³ /sec)

SECTION II:	SOURCE
	INFORMATION
	(continued)

CR-ERNS Number: 522823

(continued)
Name of Source: Conesville Units 5 and 6
Part B: Specific Information on the Source
For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.
AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.
AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.
If identified source is a stack, indicate stack height: 800 feet or meters; OR
If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.
SURFACE WATER (stream , lake , or other)
If the release affects any surface water body, give the name of the water body.
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.
stream order: or average flow rate: cubic feet/second; OR
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.
surface area of lake: acres and average depth of lake: meters.
SOIL OR GROUND WATER
If the release is on or under ground, indicate the distance to the closest water well.
Optional Information
The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available: Inside diameter 33.85' feet or meters Gas Exit Velocity $\frac{}{78.4-f/s}$ feet/second or meters/second

Gas Temperature 324.8K degrees Fahrenheit, Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Units 5 and 6

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

			***************************************		- continued with a second on Companyor)	
		Norma	Normal Range	Number of Days	Total Quantity	
		(in lbs. or l	(in lbs. or kg per day)*	Release Occurs	Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs, or kg)*	Release
Sulfuric Acid Unit 5	7664939	7,549 lb.	766 lb.	365	147,483 lb.	12
Sulfuric Acid Unit 6	7664939	7881 lb.	766 lb.	365	17 4 ,846 lb.	12
All Other Substances Remain						

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Notification 3/13/2000 as reported in Initial

Months of the Release	Days Release Mixture Released Occurs in Previous Year (per year) (in lbs. or kg)	Days Release Occurs (per year)	day)* /er id	(in lbs. or kg per day)* Upper Lower Bound Bound	in lbs. or Upper Bound	Weight Percentage	CASRN#	Hazardous Substance Components	Name of Mixture
	Total Quantity of	Number of	Normal Range of	ormal Range of	Normal			Name of	

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid (CASRN# 7664939)

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Unit 3

Unit 4

Units 5 and 6

(Unit 5 - 7549 lb.)

(Unit 6 - 7881 lb.)

2,262 lb.

9,128 lb

15430 lb.

TOTAL - SSI trigger for this hazardous substance release*: 26,320 lb.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Report -- Addendum to Form R

This Form serves as an addendum to EPCRA Section 313 Toxic Release Inventory (TRI) Form R. This along with EPCRA 313 Form R will provide EPA with the required information for reporting continuous releases.

Name of Facility:	CR-ERNS #:	
Written Anniversary of	ritten Notification Ta Change to Initial Vritten Report Written Notification of a Change to Follow-up Report	
Signed Statement: I certify that the hazardous substant and stable in quantity and rate under the definitions in submtted information is accurate and current to the best	40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all st of my knowledge.	
Michael J. Zwick, Pl	lant Manager, Conesville Plant	
Date Date	Name and Position Signature	
Population Density: Choose the range that describes t your facility.	the population density within a one-mile radius of	
	I - 500 people Over 1000 people I- 1000 people	
Sensitive Populations and Ecosystems: Indicate all sensitive populations and ecosystems within a one-mile radius include the distance and direction from the facility.		
Sensitive Population or Ecosystems	Distance and direction from facility	

CR-ERNS Report	Addendum	to Form R	Ł
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CR-	E	R	N	S	#.
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Source Information: For EACH source of a release from your facility, provide the following information on a SEPARATE sheet.

Name of Source:				
Indicate whether the release from this source is either: continuous without interruption OR routine, anticipated, intermittent				
Pattern of the Release: Identify below how you established the pattern of release and calculated release estimates.				
	Past release data	 Knowledge of the facilit operations and release h 	ty's Engineering Estimates istory	
		Best professional judger	ment Other (explain)	
Environ	mental Medium affected by	the release from this source	e:	
	Air	Surface Water	Soil or Ground Water	
Air		e indicate stack height OR s Height OR —		
Surface Water	of the water body:	Vater, please indicate name,	type and specific information	
	If stream:	Stream Order OR	Average flow rate (ft³/sec)	
If lake: Surface area (ac) AND Average Depth (m) Soil or Ground Water Indicate distance of closest water well:				
Hazardou	s Substance Information:	Upper Lower	Number of	
	Hazardous . CASRN#	Bound Bound (in lbs. or kg per day)	Days Release Months of Occurs (per year) the Release	



AEP Ohio Conesville Plant 47201 CR 273

July 16, 2010

U. S. EPA Region V – Mr. William Sandstrom Continuous Release Coordinator 77 W. Jackson Blvd. Mail Code: SC-6J Chicago, IL 60604

RE:

Dear Ms. Marzulli:

First Anniversary and Written Follow-up Report
Continuous Release Notification – Change in Normal Range
Columbus Southern Power Company – Conesville Plant

Marzulli:

30, 2009, Ms. Georgeanne Hammond
notified the National Response Cer
ontinuous release of Sulfurio
ille Power Plant. (CR. r
is assigned inc.
June 17 On May 30, 2009, Ms. Georgeanne Hammond of Columbus Southern Power Company notified the National Response Center (NRC) of a change in the normal range of continuous release of Sulfuric Acid Aerosol, a reportable substance, from our Conesville Power Plant. (CR-ERNS Nos. 522820, 522822, 522823). The call to the NRC was assigned incident report #907097. A written follow-up report was submitted on June 17, 2009. The change in emissions reported in 2009 resulted from improvements in the method of calculating sulfuric acid emissions in general and the startup of additional emission controls changing the normal range on Unit 4 in particular.

In accordance with 40 CFR 302.8, emissions for the first year following the 2009 reports have been reviewed and a "First Anniversary Follow-up Report" is being submitted herein. During the course of the review, a change in the upper bound of the normal range of sulfuric acid emission for Conesville Units 5 and 6 was discovered. The basic parameters of the normal range remain the same with respect to the operating characteristics of the units. However, a change in the upper bound for Units 5 and 6 is necessary due to variations in the sulfur content of the fuels used in these units. On July 14, 2010, Ms. Georgeanne Hammond of Columbus Southern Power Company reported the need for this change in a phone call to the NRC. (The NRC assigned incident report number 947710 to the report.) While the emissions for Units 5 and 6 exceeded the previously reported upper bound on several individual days during the last year, at no time during the past year has the total amount of sulfuric acid released from the facility exceeded the total SSI trigger value reported in June 2009. As is provided in the attached forms, the upper bounds for sulfuric acid for each unit will now be as follows: 2,262 lb/day for Unit 3; 9,128 lb/day for Unit 4; 6,582 lb/day for Unit 5; and 7,343 lb/day for Unit 6. The total SSI value for the facility will be 25,315 lbs/day.



Enclosed are the updated forms for the Conesville Plant. Specifical going children are A unit of American Electric forms for Section I (General Information), Section II, (Source Information) and Section III, (calculation of the SSI Upper Bound). The calculation of the upper bound has changed for sulfuric acid only at Units 5 and 6.

> mail at
>
> Callon VIVID
>
> Callon If you have any questions concerning this notice, please do not hesitate to contact Georgeanne Hammond by telephone at 740-829-4065 or by e-mail gmhammond@aep.com.

Sincerely,

Mark S. Borman

Conesville Plant Manager

Would Same

Enclosure

cc: Ohio Environmental Protection Agency

Attn: State Emergency Response Commission

122 South Front Street Columbus, OH 43215

Ohio Environmental Protection Agency

Attn: Dean Ponchak 2195 Front Street Logan, OH 43138

James Van Horn Coshocton County EMA 724 s. 7th Street Coshocton, OH 43812



G.M. Hammond – Conesville Plant J. J. Henry – Legal J.C. Hendricks/J.P. Novotny – ESD

AEP Ohio Conesville Plant 47201 CR 273 Conesville, OH 43811-9799 AEPOhio.com

SECTION	I: GENERAL INFORMATION	CR-ERNS	Number: 522820, 522822, 522823		
Date of In	itial Release:	Date of Initia	nl Call to NRC: 03/13/2000		
Type of Re	port: Indicate below the type of report y	ou are submitting.			
Initial W	ritten Notification First Anniversary Follow-up Report	Written Notifi of a Change to Initial Notifica	of a Change to		
Signed Statement: I certify that the hazardous substances releases described herein are continuous and stable in quantity and rate under the definitions in 40 CFR 302.8(a) or 355.4(a)(2)(iii) and that all submitted information is accurate and current to the best of my knowledge.					
			t Manager, Conesville Plant ne and Position		
7	/16/10 Date	Mulex	Com-		
	Date		Signature		
Part A. Faci	lity or Vessel Information				
Name of Fac	Name of Facility or Vessel Conesville Power Plant Unit No. 3 - CR-ERNS No. 522820 Conesville Power Plant Unit No. 4 - CR-ERNS No. 522822 Conesville Power Plant Unit No. 5- CR-ERNS No. 522823 Conesville Power Plant Unit No. 6 - CR-ERNS No. 522823				
Person in Charge	Name of Person in Charge Mark S Borma	n			
of Facility	Position Plant Manager				
or Vessel Facility	Telephone No. (740) 829-4101	Alternate Te	lephone No. (740) 829-4102		
Address or	Street 47201 County Road 273	(ounty Mason		
Vessel Port of Registration	City Conesville	S	tate OH Zip Code 43811		
	dstreet Number for Facility 069	00684502			
Facility/Vess Location	Latitude Deg 040 Min Longitude Deg 081 Min	11 Sec 08 52 Sec 48	Vessel LORAN Coordinates		
Part B. Pop	oulation Information				
Population Density	Choose the range that describes the population density within a one-mile radius of your facility or vessel (Indicate by placing an "X" in the appropriate blank below).				
Sensitive Populations	Sensitive Populations or Eco	*	Distance and direction from facility		
Populations and	(e.g., schools, hospitals, wetlands, wild Conceville Elementary	llife preserves, etc.)	0.75 mile NW		
Ecosystems Within One	Wetland Wetland		0.75 mile N W 0.75 mile N 0.75 mile S		
Mile Radius					

SECTION II:	SOURCE
	INFORMATION

CR-ERNS Number: 522820

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

Name of Source: Conesvi	ifle Unit 3
Indicate whether the release continuous without interruption	
If malfunction, describe the recontinuous and stable in qual Conesville Power Plant Unit 3 is a Rile capacity of 1862 mmBTU/hr controlled. The initial notification of continuous returns the releases associated with this source.	ey Engineering Model 3403 pulverized coal, dry-bottom boiler having a nominal heat input designed with an electrostatic precipitator.
of the calculations method used to estin Calculations for releases of identified s malfunctions under other state and federal	substances include periods of startup and shutdown and certain periods that may be defined as leral regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous ence into 40 CFR Part 355 Emergency Planning and Notification.
of the calculations method used to estin Calculations for releases of identified s malfunctions under other state and fed Releases, and as incorporated by refere	imate the emissions at the Conesville Plant, substances include periods of startup and shutdown and certain periods that may be defined as leral regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous
of the calculations method used to estin Calculations for releases of identified s malfunctions under other state and fed Releases, and as incorporated by refere	imate the emissions at the Conesville Plant, substances include periods of startup and shutdown and certain periods that may be defined as leral regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous ence into 40 CFR Part 355 Emergency Planning and Notification.

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number: 522820

Name of Source: Concsville Unit 3

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II. Parts A. B, and C. of this format for EACH medium affected.

AIR x (stack x or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.

If identified source is a stack, indicate stack height: 450 feet or meters; OR

If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.

Ø SURFAC	E WATER	(stream	, lake		other		
_				23.1 CHARLES MET 100.1 (2.1)	740	me inc	

If the release affects any surface water body, give the name of the water body.

If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.

stream order: or average flow rate: cubic feet/second; OR

If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.

surface area of lake: acres and average depth of lake: meters.

SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 17'-5" feet or meters Gas Exit Velocity 34.5-8's feet/second or

meters/second

Gas Temperature 416.5K degrees Fahrenheit, Kelvin, or Celsius For a release to surface water, provide the following information, if available:

Average Velocity of Surface Water

feet/second

(continued)

CR-ERNS Number: 522820

Part C. Identity and Ouantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Months of the $\underline{\odot}$ Released in Previous Year Total Quantity (in lbs. or kg)* Number of Days Release Occurs (per year) 365 Lower Bound (in lbs. or kg per day)* Normal Range Upper Bound CASRN # 7664939 Name of Hazardous Substance Sulfuric Acid

All Other Substances Remain

as reported in Initial

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Release Months of the Total Quantity of Number of Iotal Quantity of Days Released in Previous Year (in lbs. or kg) (per year) Occurs (in lbs. or kg per day)* Upper Lower Bound Bound Normal Range of Mixture (in lbs. or kg per day)*
Upper Lower
Bound Bound Normal Range of Components Percentage CASRN# Substance Components Hazardous Name of Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522822

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or

Name of Source: Con	esville Unit 4	
1. Indicate whether the relea	se from this source is either:	
continuous without interru	ption OR routine, anticip	ated, intermittent X .
If malfunction, describe the continuous and stable in continuous and stable in conserving Power Plant Unit 4 is an design capacity of 7960 mmBTU/h NOx reduction (SCR) technology. The initial notification of continuous The releases associated with this so The increase in the upper bound of of the calculations method used to control systems on Unit 4 at the Co-Calculations for releases of identifications under other state and	Combustion Engineering Model 7868 pulverized coal fired r. Columbus Southern Power has installed a wet flue gas of The steam generator emissions are also controlled with an is release was filed on March 13, 2000. The steam generator emissions are also controlled with an is release was filed on March 13, 2000. The steam generator emissions are also controlled with an is release was filed on March 13, 2000. The steam generator emissions are also controlled with an is release was filed on March 13, 2000.	Ithe malfunction should be considered to make the considered to make the considered and selective catalytic electrostatic precipitator. Steam energy for the production of electricity. SRN # 7664939, is the result of a re-evaluation nent of operations of the new air emission certain periods that may be defined as inclusion in 40 CFR Part 302.8 Continuous
3. Identify below how you	established the pattern of release and calculated	release estimates.
3. Identify below how you X Past release data	established the pattern of release and calculated X Knowledge of the facility/vessel's operations and release history	release estimates. X Engineering estimate

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number: 522822

(Continued)	
Name of Source: Conesville Unit 4	
Part B: Specific Information on the Source	
For the source identified above, provide the follo	owing information. Please provide a SEPARATE
sheet for EACH source. Photocopy this page if	
AFFECTED MEDIUM. Identify the environmental mediaffected by the release from this source. If your source releases wastepile releasing to air and ground water), treat the release Section II, Parts A. B., and C. of this format for EACH mediates.	ases hazardous substances to more than one medium (e.g., a se to EACH medium as a separate source and complete
AIR X (stack X or area) If the medi- source is a stack or a ground-based area source.	um affected is air, please also specify whether the
If identified source is a stack, indicate stack heig	ht: 800 feet or meters: OR
-	pile, landfill, valves, tank vents. pump seals, fugitive
emissions), indicate surface area: square f	· · · · · · · · · · · · · · · · · · ·
SURFACE WATER (stream , lake	, or other)
If the release affects any surface water body, gir	ve the name of the water body.
If the release affects a stream, give the stream or	rder or average flow rate, in cubic feet per second.
stream order: or average flow rate:	cubic feet/second: OR
1	of the lake in acres and the average depth in meters.
surface area of lake: acres and average de	epth of lake: meters.
O COLL OD CDOLLED WATER	
SOIL OR GROUND WATER	
If the release is on or under ground, indicate the distance	to the closest water well.
Optional In	formation
The following information is not required in the final evaluating the risks associated with the continuous re	rule; however, such information will assist EPA in elease. If this information is not provided, EPA will riate values. Please note that the units specified below
For a stack release to air, provide the following	For a release to surface water, provide the

Inside diameter 32'-8" feet or meters
Gas Exit Velocity 15.3-0s feet/second or meters/second
Gas Temperature 325.9K degrees Fahrenheit, Kelvin, or Celsius

information, if available:

For a release to surface water, provide the following information, if available:

Average Velocity _____ feet/second of Surface Water

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

522822

CR-ERNS Number:

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Concsville Unit 4 Name of Source: List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Released in Previous Year Total Quantity Number of Days Release Occurs (in lbs. or kg per day)* Normal Range

Months of the Release 2 (in lbs. or kg)* (per year) Lower Bound 1,488 Upper Bound CASRN # 7664939 Name of Hazardous Substance Sulfuric Acid

All Other Substances Remain

as reported in Initial

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Total Quantity of Days Release Mixture Released in Previous Year (in lbs. or kg) Number of (per year) Occurs (in lbs. or kg per day)* Normal Range of Lower Upper Lower Bound Bound Mixture (in lbs. or kg per day)* Normal Range of Lower Components Upper Bound Percentage Weight CASRN# Substance Components Hazardous Name of Name of Mixture

Release

Months ofthe

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Concs	ville Unit 5	
Indicate whether the release	e from this source is either:	
continuous without interrupt	ion OR routine, anticipate	ed, intermittent X
If malfunction, describe the continuous and stable in qu Conesville Power Plant Unit 5 is a Co	ombustion Engineering pulverized coal, dry-bottom boiler h n electrostatic precipitator and a wet lime flue gas desulphu	ne malfunction should be considered t having a nominal heat input design capacity
The releases associated with this sour The increase in the upper bound of the fithe calculations method used to est Calculations for releases of identified malfunctions under other state and fee	release was filed on March 13, 2000. ce result from the combustion of fossil fuels to produce steate normal range of Sulfuric Acid Aerosol emissions, CASRI imate the emissions at the Conesville Plant. substances include periods of startup and shutdown and celebral regulatory programs but meet the requirements for incrence into 40 CFR Part 355 Emergency Planning and Notification.	N # 7664939, is the result of a re-evaluation ertain periods that may be defined as clusion in 40 CFR Part 302.8 Continuous
The increase in the upper bound of the fifth of the calculations method used to est Calculations for releases of identified matfunctions under other state and fer Releases, and as incorporated by reference.	ce result from the combustion of fossil fuels to produce stead e normal range of Sulfuric Acid Aerosol emissions, CASRI imate the emissions at the Conesville Plant. substances include periods of startup and shutdown and cerd deral regulatory programs but meet the requirements for inc	N # 7664939, is the result of a re-evaluation retain periods that may be defined as clusion in 40 CFR Part 302.8 Continuous ication.
The releases associated with this sour The increase in the upper bound of the fitter calculations method used to est Calculations for releases of identified malfunctions under other state and fet Releases, and as incorporated by reference.	ce result from the combustion of fossil fuels to produce steate normal range of Sulfuric Acid Aerosol emissions, CASRI imate the emissions at the Conesville Plant. substances include periods of startup and shutdown and cerderal regulatory programs but meet the requirements for incrence into 40 CFR Part 355 Emergency Planning and Notification.	N # 7664939, is the result of a re-evaluation retain periods that may be defined as clusion in 40 CFR Part 302.8 Continuous ication.

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE

	(continued)	CR-ERNS Number: 522823
Nam	e of Source: Conesville Unit 5	
Part B	: Specific Information on the So	urce
	e source identified above, provide th for EACH source. Photocopy this p	e following information. Please provide a SEPARATE age if necessary.
affected wastepil	by the release from this source. If your sour	al medium (i.e., air, surface water, soil, or ground water) that is ree releases hazardous substances to more than one medium (e.g., a e release to EACH medium as a separate source and complete CH medium affected.
	R X (stack X or area) If the area is a stack or a ground-based area source	ne medium affected is air, please also specify whether the
,	If identified source is a stack, indicate sta	ck height: 800 feet or meters: OR
	If identified source is an area source (e.g. emissions), indicate surface area:	., waste pile, landfill, valves, tank vents, pump seals, fugitive square feet or square meters.
Ø su	RFACE WATER (stream, la)	ke , or other)
	If the release affects any surface water b	ody, give the name of the water body.
*	stream order: or average flow rate	ream order or average flow rate, in cubic feet per second. e:cubic feet/second; OR nee area of the lake in acres and the average depth in meters.
	surface area of lake: acres and ave	erage depth of lake: meters.

Ø SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:

Inside diameter 26' feet-or meters Gas Exit Velocity 78.4 1/s feet/second or

meters/second

Gas Temperature 324.8K degrees Fahrenheit, (Kelvin or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity of Surface Water

feet/second

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

522823

CR-ERNS Number:

Piease provide a SEPARATE sheet for LACH source. Photocopy this page if necessary.

Name of Source: Conesville Unit 5

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

tity ous Year Months of the	1.* Release	2	£		379
Total Quantity Released in Previous Year	(in lbs. or kg	147,483	175.76		タイジィイク マード・マート
Number of Days Release Occurs	(per year)	365	365		
Normal Range (in lbs. or kg per day)*	Lower Bound	766	1 266 1		\ \ \ \
Nom (in lbs. or	Upper Bound	6,582	- 7343	12 3.	(22,5)
	CASRN #	7664939	C>170		
	Name of Hazardous Substance	Sulfuric Acid	All Other Substances Remain	as reported in Initial	Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	Months	of the	Release
Total Ouantity of	e Mixture Released	in Previous Year	(in lbs. or kg)
7 1 V	Days Release	Occurs	(per year)
Normal Range of	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	(in 1bs. or kg per dav)*	Weight Upper Lower	Percentage Bound Bound
			CASRN#
Name of	Hazardous	Substance	Components
			Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Unit 6

1. Indicate whether the release from this source is either:

continuous without interruption

OR routine, anticipated, intermittent

2. Identify the activity (ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered bit immans (continuous and stable in quantity and rate.*

Conesville Power Plant Unit 6 is a Combustion Engineering pulverized coal, dry-bottom boiler having a nominal heat input design capacity of 4091 mmBTU/hr controlled with an electrostatic precipitator and a wet lime flue gas desulphurization scrubber.

The initial notification of continuous release was filed on March 13, 2000.

The releases associated with this source result from the combustion of fossil fuels to produce steam energy for the production of electricity. The increase in the upper bound of the normal range of Sulfuric Acid Aerosol emissions, CASRN # 7664939, is the result of a re-evaluation of the calculations method used to estimate the emissions at the Conesville Plant.

Calculations for releases of identified substances include periods of startup and shutdown and certain periods that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.

3. Identify below how you established the pattern of release and calculated release estimates.

Past release data

Knowledge of the facility/vessel's operations and release history

Engineering estimate

X AP-42

X Best professional judgment

Other (explain)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number: 522823

Name of	Source:	Concsville	Unit 6
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Part B: Specific Information on the Source

emissions), indicate surface area:

For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A. B. and C. of this format for EACH medium affected.

0	AIR	K	(stack	X	or area) If the medium affected is air, please also specify whether the
	source i	sas	stack or	a gro	aund-bas	ed area source.
2	If ·	iden	tified so	urce	is a stac	k, indicate stack height: 800 feet or meters: OR
-	If:	iden	tified so	urce	is an ar	ea source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive

square feet or square meters.

Ø s	RFACE WATER (stream , lake , or other)
	If the release affects any surface water body, give the name of the water body.
;	If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.
2	If the release affects a stream, give the stream order or average flow rate, in cubic feet per second, stream order: or average flow rate: cubic feet/second; OR
;	·

Ø SOIL OR GROUND WATER

If the release is on or under ground, indicate the distance to the closest water well.

Kelvin, or Celsius

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release to air, provide the following information, if available:
Inside diameter 26 feet or meters
Gas Exit Velocity 78.4-1/s feet/second or meters/second
Gas Temperature 324.8K degrees Fahrenheit.

For a release to surface water, provide the following information, if available:

Average Velocity feet/second of Surface Water

SOURCE INFORMATION SECTION II:

(continued)

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

CR-ERNS Number:

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Conesville Unit 6 Name of Source:

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Months of the	Release	7
Total Quantity Released in Previous Year	(in lbs. or kg)*	174.846
Number of Days Release Occurs	(per year)	365
Normal Range (in lbs. or kg per day)*	Lower Bound	992
Norma (in Ibs. or I	Upper Bound	7,343
	CASRN #	7664939
	Name of Hazardous Substance	Sulfuric Acid

All Other Substances Remain

as reported in Initial

Notification 3/13/2000

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	N 4	Vionins	of the	Release
() () () () () () () () () ()	Number of lotal Quantity of	e Mixture Keleased	in Previous Year	(in lbs. or kg)
	Number of	Days Releas	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
	Name of	Hazardous	Substance	Components CASRN#
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radiomaclide, units of curies (CI) are appropriate.

SECTION III: SUBSTANCE INFORMATION

CR-ERNS Number: 522820, 522822, 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II. Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II. Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg, or Ci)

Conesville Plant Unit 3

Conesville Plant Unit 4

Conesville Plant Unit 5

Conesville Plant Unit 5

Conesville Plant Unit 6

7343 tb/day

The Upper bound of all other substances remain as reported in the initial notification dated 3/13/2000.

TOTAL - SSI trigger for this hazardous substance release*: 25,315 lb/day

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

American Electric Power

Conesville Plant 47201 CR 273 Conesville, OH 43811 9799 740 829 2378

May 10, 2000

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago IL, 60604
Attention: Mr. William Sandstrom

Re:

Conesville Plant

47201 CR 273

Conesville, Ohio 43811

CR-ERNS Number(s) - 522818

Dear Mr. Sandstrom:

This letter is a follow up to your question and comment relating to our written continuous release report dated April 12, 2000.

You asked what type of coal we burn. We have the capability to utilize a combination of fossil fuels including natural gas, fuel oil, bituminous coal, etc. to produce steam for production of electricity.

AMERICAN° ELECTRIC POWER

ENDONER

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Your comment was relating to using only the first CR-ERNS number we were given when reporting when referring to this case & we understand this.

This should answer your question but if not feel free to call me at 740-829-4034.

Sincerely,

Rob Senita

Supervising Engineer – Environmental

AEP/Conesville Plant

Cc: Dan Lambert/ Mark Borman

Guy Cerimele

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MAY 1 2 2000

Office of Chemical Emergency Preparedness and Prevention **American Electric Power**

Conesville Plant 47201 CR 273 Conesville, OH 43811 9799 740 829 2378

April 12, 2000

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago IL, 60604

Re:

Conesville Plant 47201 CR 273

Conesville, Ohio 43811

CR-ERNS Number(s) – 522818; 522820; 522822; 522823 OH ID Tracking Nos. IPIR-0003-16-0850, IPIR 0003-16-0850/01,

MIL

Enterolis & Sa

IPIR 0003-16-0850/02 and IPIR 0003-16-0850/03

Dear Sir or Madam:

Enclosed please find an initial written continuous release report for American Electric Power's (AEP's) Conesville Plant. This report is being submitted in accordance with 40 CFR § 302.8 to supplement the initial telephone notification made to the National Response Center (NRC), the State Emergency Response Commission (SERC) and the Local Emergency Planning Commission (LEPC) on March 13, 2000.

This report was prompted by the issuance of an interim guidance document by the Environmental Protection Agency on December 21, 1999, giving notice of specific interpretations of the definition of a "federally permitted release" under Section 101 (10)(H) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA). The interim guidance asserts that most permit limitations and control requirements established under the Clean Air Act do not qualify as "federally permitted releases," even though such emissions are part of the normal operation of these air emission sources and are directly or indirectly controlled by those permits and regulations. AEP does not agree with the positions announced in the interim guidance, and has submitted comments to EPA as requested in the notice. However, the enclosed report is based on the interpretations announced in the interim guidance.

Please note that the emissions reported in the enclosed report represent a range of the levels at which individual hazardous constituents that may be present in the emissions associated with the normal operations of the major sources at our power plant.

They do not represent "emergency" conditions, pose threats to public health or welfare, or require specific emergency response or planning activities. Actual emissions will vary with hours of operation, fuel quality, and other factors.

AMERICAN® ELECTRIC POWER

Sent letter

If you have any questions concerning the enclosed report, please contact Rob Senita @ 740-829-4034.

Sincerely,

Daniel O. Lambert

CC:

Ohio EPA

122 South Front Street Columbus, Ohio 43215

Coshocton County LEPC County Services Building 724 S. Seventh Street Coshocton, Ohio 43812

RS/lsm

RECEIVED

APR 17 2000

Office of Chemics and Preparedness and Scientific

SECTION	I: GENERAL INFORMA		CR-ERNS	Number: 522818; 522820; 522823
			Date of Initia	al Call to NRC: 03/13/00
	e port: Indicate be	First Anniversary Follow-up Report	-	o of a Change to
quantity and re accurate and c	ate under the definit current to the best of	ions in 40 CFR 302.8(a my knowledge.	a) or 355.4(a)(2)(iii) a	ribed herein are continuous and stable in and that all submitted information is ant Manager ne and Position
4-1	7 - 00 Date		Jane (V)	am W
Part A. Facility or Vessel Information Conesville Unit Nos. 1 and 2, Conesville Unit No. 3,				
Name of Fac	ility or Vessel			Conesville Unit No. 3, nesville Unit Nos. 5 and 6
Person in Charge	Name of Person in	Charge Dan Lam	bert	
of Facility or Vessel	Position Plan	nt Manager		
Facility	Telephone No. (74	9 829-4101	Alternate Te	lephone No. ()
Address or	Street 47201 C	County Road 273	C	County Coshocton
Vessel Port of	City Conesvi	.1.1e	S	tate OH Zip Code 43811
Registration	detreet Number	for Fosility	069068450	
Facility/Vess	dstreet Number	Tor Facility .		Vessel LORAN Coordinates
Location		Deg 040 Min Deg 081 Min		_ Vessel LUKAN Coordinates
Part B. Por	oulation Inform	nation		
Population Density	(Indicate by placing	g an "X" in the appropri 0 persons	•	-
Sensitive Populations		ve Populations or Eco pitals, wetlands, wild	•	Distance and direction from facility
and Ecosystems Within One Mile Radius	Conesville E Wetland Wetland	Clementary School		3/4-mi., N.W. 3/4-mi., N. 1/2-mi., S.

CR-ERNS Number: 522818; 522820;

522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

OR routine, anticipated, intermittentX		<u>.</u>	k CS012	Conesville Stack	Source: c	Name of S
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity. Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.			er:	from this source is either	hether the release fro	. Indicate v
If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity. Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.	Х	l, intermittent X	OR routine, anticipa	ion O	without interruption	continuous
Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.				malfunction and explain v	tion, describe the ma	If malfund
circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.	n energy	s to produce steam e	the combustion of fossil			
3. Identify below how you established the pattern of release and calculated release estimates.	ms but	regulatory programs	under other state and fede 302.8 Continuous Releas	lefined as malfunctions und aclusion in 40 CFR Part 302	inces that may be defi requirements for inclu	circumsta meet the
					mio 40 CI XI at 333	reference
X Past release data X Knowledge of the facility/vessel's X Engineering estimations and release history		ase estimates.				
X AP-42	æring estimate		release and calculated r	tablished the pattern of rel	below how you estab	3. Identify
	·	X Engineer	release and calculated re of the facility/vessel's and release history	tablished the pattern of rel X_ Knowledge of operations and	below how you estab ist release data	3. Identify _X_P

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

0

CR-ERNS Number: 522818; 522820; 522822; 522823

Nan	me of Source: Conesville Stack CS	5012
Part]	B: Specific Information on the Source	<u> </u>
	the source identified above, provide the foll t for EACH source. Photocopy this page i	lowing information. Please provide a SEPARATE f necessary.
affecte wastep	ed by the release from this source. If your source rel	dium (i.e., air, surface water, soil, or ground water) that is eases hazardous substances to more than one medium (e.g., a ase to EACH medium as a separate source and complete edium affected.
-	IR X (stack X or area) If the medource is a stack or a ground-based area source.	lium affected is air, please also specify whether the
2	If identified source is a stack, indicate stack hei	ght: 450 feet examples , OR
,	If identified source is an area source (e.g., wast emissions), indicate surface area: square	te pile, landfill, valves, tank vents, pump seals, fugitive e feet or square meters.
Øs	SURFACE WATER (stream, lake	, or other)
2	If the release affects any surface water body, g	give the name of the water body.
,	If the release affects a stream, give the stream of	order or average flow rate, in cubic feet per second.
	stream order: or average flow rate:	_ cubic feet/second; OR
2	_	ea of the lake in acres and the average depth in meters.
	surface area of lake: acres and average of	depth of lake: meters.
I	OIL OR GROUND WATER ne release is on or under ground, indicate the distance	a to the closest water well
	ne release is on or under ground, indicate the distance	e to the closest water wen.
	Optional I	nformation
-	evaluating the risks associated with the continuous	al rule; however, such information will assist EPA in release. If this information is not provided, EPA will priate values. Please note that the units specified below ever, be certain that the units are clearly identified.
Ł	For a stack release to air, provide the following	For a release to surface water, provide the
	information, if available: Inside diameter feet or meters	following information, if available: Average Velocity feet/second
	Gas Exit Velocity feet/second or	of Surface Water
	meters/second Gas Temperature degrees Fahrenheit, Kelvin, or Celsius	

(continued)

CR-ERNS Number: 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack CS012

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma (in Ibs. 900d	Normal Range (in lbs. onde s per day)*	Number of Days Release Occurs	Total Quantity Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. orker)*	Release
Nitrogen oxide	10102439	95,294	57,871	365	10,900,000 5 de	5 ye 1/1 12
Nitrogen dioxide	10102440	5,015	3,046	365		12
Hydrochloric acid /	7647010	4,029	2,297	365	000,009	12
Hydrogen fluoride	7664393	411	235	365	80,000	12
Sulfuric acid	7664939	2,481	1,506	365	540,000	12
Calcium arsenate	7778441	3.9	1.5	365	170	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	7	Months	of the	Release
	•	-	.=	(in lbs. or kg)
	Number of	$\overline{}$		(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
				CASRN#
	Name of	Hazardous	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522818; 522820;

522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if

Name of Source:	Conesville Stack 3	
. Indicate whether the release	from this source is either:	· · · · · · · · · · · · · · · · · · ·
continuous without interrupt	ionOR routine, anticipate	ed, intermittent X
	at results in the release from this source (e.g., bat malfunction and explain why the release from th antity and rate.*	
The releases associated with for production of electricity	this source result from the combustion of fossil fu	lels to produce steam energy
Calculations for releases of	identified substances include periods of startup and	i dilutdowii dila coltani
circumstances that may be of meet the requirements for in	defined as malfunctions under other state and federal	al regulatory programs but s, and as incorporated by
circumstances that may be of meet the requirements for in reference into 40 CFR Part	nclusion in 40 CFR Part 302.8 Continuous Releases	s, and as incorporated by
circumstances that may be of meet the requirements for in reference into 40 CFR Part	nclusion in 40 CFR Part 302.8 Continuous Releases 355 Emergency Planning and Notification.	s, and as incorporated by
circumstances that may be of meet the requirements for in reference into 40 CFR Part 3. 3. Identify below how you est	tablished the pattern of release and calculated rel X Knowledge of the facility/vessel's	ease estimates.

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number: 522818; 522820; 522822; 522823

Na	Conesville Stack 3			
Part	B: Specific Information on the Source			
	the source identified above, provide the following information. Please provide a SEPARATE et for EACH source. Photocopy this page if necessary.			
affect waste	ECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is ted by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a epile releasing to air and ground water), treat the release to EACH medium as a separate source and complete on II, Parts A, B, and C, of this format for EACH medium affected.			
	AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source.			
,	If identified source is a stack, indicate stack height: <u>450</u> feet or xxxetexs; OR			
,	If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters.			
0	SURFACE WATER (stream, lake, or other)			
,	If the release affects any surface water body, give the name of the water body.			
,	If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR			
,	If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters.			
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.				
	Optional Information			
	The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.			
ą.	For a stack release to air, provide the following information, if available: Inside diameter feet or meters Gas Exit Velocity feet/second or meters/second The following information, if available: Average Velocity feet/second of Surface Water			

Gas Temperature _____ degrees Fahrenheit,

Kelvin, or Celsius

(continued)

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

522818; 522820; 522822; 522823

CR-ERNS Number:

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Range		Total Quantity	
		(in lbs. gre	(in lbs. @Rkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound		(in lbs. orkg)*	Release
Nitrogen oxide	10102439	29,603	13,008		2,200,000	12
Nitrogen dioxide	10102440	1,558	685	365	100,000	12
Hydrochloric acid	7647010	2,574	1,068	365	340,000	12
Hydrogen fluoride	7664393	263	109	365	44,000	12
Sulfuric acid	7664939	922	280	365	160,000	12
Calcium arsenate	7778441	2.5	0.7	365	155	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	Mantho	MIOINIS	of the	Release
Total Quantity of	Mintre Delegad	Mixture Released	in Previous Year	(per year) (in lbs. or kg)
	Number of	Days Release	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Upper Lower	Bound Bound
			Weight	<u></u>
				CASRN#
M	Name of	Hazardons	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522818; 522820; 522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:	Conesville Stack 4	
1. Indicate whether the release	from this source is either:	
continuous without interrupti	ion OR routine, anticipa	ated, intermittent X
If malfunction, describe the continuous and stable in qua The releases associated with for production of electricity. Calculations for releases of circumstances that may be direct the requirements for in	this source result from the combustion of fossil	fuels to produce steam energy and shutdown and certain leral regulatory programs but
3. Identify below how you est	tablished the pattern of release and calculated r	release estimates.
X Past release data	X_ Knowledge of the facility/vessel's operations and release history	X Engineering estimate
<u>X</u> AP-42	X Best professional judgment	Other (explain)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number: 52

522818; 522820; 522822; 522823

Name of Source: Conesville Stack	4			
Part B: Specific Information on the Source				
For the source identified above, provide the follo sheet for EACH source. Photocopy this page if	•			
AFFECTED MEDIUM. Identify the environmental mediu affected by the release from this source. If your source release wastepile releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH medians.	ases hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete			
AIR X (stack X or area) If the medius source is a stack or a ground-based area source.	ım affected is air, please also specify whether the			
If identified source is a stack, indicate stack heigh	nt: 800 feet oux musteuss, OR			
	pile, landfill, valves, tank vents, pump seals, fugitive			
SURFACE WATER, lake	, or other)			
If the release affects any surface water body, giv	e the name of the water body.			
If the release affects a stream, give the stream orders are a stream order: or average flow rate: If the release affects a lake, give the surface area surface area of lake: acres and average de	cubic feet/second; OR of the lake in acres and the average depth in meters.			
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance t	to the closest water well.			
Optional Inf	formation			
The following information is not required in the final evaluating the risks associated with the continuous rel make conservative assumptions about the appropr are suggested units. You may use other units; however	lease. If this information is not provided, EPA will iate values. Please note that the units specified below			
For a stack release to air, provide the following information, if available: Inside diameter feet or meters Gas Exit Velocity feet/second or meters/second	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water			

Gas Temperature _____

degrees Fahrenheit, Kelvin, or Celsius

522820;

522818;

CR-ERNS Number:

522822; 522823

(continued)

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Range	Number of Days	Total Quantity	
		(in lbs. oak	(in lbs. agkkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. vrkg)*	Release
Nitrogen oxide	10102439	114,041	34,522	365	15,800,000 ~	12
"Nitrogen dioxide	10102440	6,002	1,817	365	800,000	12
Hydrochloric acid	7647010	10,031	2,850	365	1,300,000	12
Hydrogen fluoride	7664393	1,024	291	365	290,000	12
Sulfuric goid	7664939	3,583	745	365	1,300,000	12
Mercury /	7439976	2.2	9.0	365	380	12
Selenium dioxide V	7446084	19.9	5.7	365	3,600 /	12
Calcium arsenate	7778441	9.6	1.9	365) 099	12
Cyanides 🗸	57125	15.9	5.6	365	3,600	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Months	of the	Release
		~	in Previous Year	(in lbs. or kg)
	Number of	Days Release	Occurs	(per year)
NOTHER NAMES OF	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
INDITION LANGE OF	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
				CASRN#
	Name of	Hazardous	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number:

522818; 522820; 522822: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

	Conesville Stack CS056				
1. Indicate whether the release	e from this source is either:				
continuous without interrupt	ionOR routine, anticipa	ted, intermittent X			
	at results in the release from this source (e.g., bat malfunction and explain why the release from the antity and rate.*				
The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity.					
Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.					
3 Identify helow how you as	tablished the nattern of release and calculated to	pleace estimates			
3. Identify below how you es _X Past release data	tablished the pattern of release and calculated re X Knowledge of the facility/vessel's operations and release history	elease estimates. X Engineering estimate			
•	X Knowledge of the facility/vessel's				
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate			

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

CR-ERNS Number:

522818; 522820; 522822; 522823

Name of Source:	Name of Source: Conesville Stack CS056					
Part B: Specific Inform	nation on the Source					
For the source identified sheet for EACH source.		wing information. Please provide a SEPARATE necessary.				
affected by the release from thi	is source. If your source release ground water), treat the release	um (i.e., air, surface water, soil, or ground water) that is ases hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete lium affected.				
AIR _x (stack _x source is a stack or a ground		um affected is air, please also specify whether the				
If identified source i	is a stack, indicate stack heigh	ht: <u>80</u> 0 feet on meters; OR				
	is an area source (e.g., waste surface area: square fo	pile, landfill, valves, tank vents, pump seals, fugitive feet or square meters.				
SURFACE WATER _	, lake	_ , or other)				
If the release affects	any s urface water body , giv	ve the name of the water body.				
	s a stream, give the stream or	der or average flow rate, in cubic feet per second. cubic feet/second; OR				
1	•	of the lake in acres and the average depth in meters.				
	: acres and average de	• •				
SOIL OR GROUND W	ATFR					
	ground, indicate the distance t	to the closest water well.				
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	2 4 11					
	Optional Inf	formation				
evaluating the risks asso make conservative asso	ociated with the continuous rel umptions about the appropr	rule; however, such information will assist EPA in clease. If this information is not provided, EPA will riate values. Please note that the units specified below ver, be certain that the units are clearly identified.				
For a stack release to information, if availa Inside diameter Gas Exit Velocity	feet or meters	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water				

Gas Temperature __

meters/second

degrees Fahrenheit, Kelvin, or Celsius

SECTION II: SOURCE INFORMATION

(continued)

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

522818; 522820; 522822; 522823

CR-ERNS Number:

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack CS056

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Range	Number of Days	Total Quantity	
		(in Ibs. parch	(in lbs. arkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. Brkg)*	Release
Nitrogen oxide	10102439	128,729	35,035	365	16,200,000	12
Nitrogen dioxide /	10102440	6,775	1,844	365	000,006	12
Hydrochloric acid	7647010	12,781	3,184	365	1,700,000	12
Hydrogen fluoride 🖊	7664393	1,305	325	365	110,000	12
Sulfuric agid 🗸	7664939	2,525	408	365	2,800,000	12
Mercury /	7439976	2.2	0.5	365	> 290	12
Selenium dioxide V	7446084	25.4	6.3	365	1,300	12
Calcium arsenate 🗸	7778441	9.8	1.5	365	580	12
Cyanides V	57125	19.5	5.9	365	4,400	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	,	Months	of the	Release
T	total Quantity of	e Mixture Released	in Previous Year	(in lbs. or kg)
	Number of	Days Releas	Occurs	(per year)
_	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
NOTHIAL Kange of	Components	(in lbs. or kg per day)*	Upper Lower	
,	Name of	Hazardous		Components CASRN#
		T		Name of Mixture C

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820;

522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Auxiliary Boiler 4						
Indicate whether the release from this source is either: continuous without interruption OR routine, anticipated, intermittent						
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tan If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.*						
a bound of the state of the sta						
Identify below how you established the pattern of release and calculated release estimates. X Past release data						
operations and release history X AP-42X Best professional judgment Other (explain)						

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source:	Conesville Auxil	iary Boiler 4				
Part B: Specific Inform	nation on the Source					
For the source identified sheet for EACH source.		wing information. Please provide a SEPARATE necessary.				
AFFECTED MEDIUM. Ider affected by the release from thi	ntify the environmental medius source. If your source release round water), treat the release	im (i.e., air, surface water, soil, or ground water) that is ses hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete				
O AIR _x (stack _x source is a stack or a ground		m affected is air, please also specify whether the				
If identified source i	s a stack , indicate stack heigh	nt: <u>240</u> feet or meters; OR				
P	s an area source (e.g., waste p surface area: square fo	pile, landfill, valves, tank vents, pump seals, fugitive eet or square meters.				
O SURFACE WATER	, lake	, or other)				
If the release affects	any surface water body, giv	e the name of the water body.				
	a stream, give the stream order average flow rate:	der or average flow rate, in cubic feet per second. cubic feet/second; OR				
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters.						
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.						
	Optional Inf	formation				
evaluating the risks asso make conservative assu	ciated with the continuous rel umptions about the appropr	rule; however, such information will assist EPA in ease. If this information is not provided, EPA will iate values. Please note that the units specified below er, be certain that the units are clearly identified.				
information, if availa	feet or meters	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water				
Gas Temperature	degrees Fahrenheit, Kelvin, or Celsius					

SECTION II: SOURCE INFORMATION

(continued)

CR-ERNS Number:

522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Auxiliary Boiler 4

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Range	Number of Days	Total Quantity	
		(in lbs. 1814)	(in lbs. wrkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. Brkg)*	
Calcium arsenate	7778-44-1	0.003	0	l or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	l or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001	0	l or more		1 5
Hydrochloric acid	7647-01-0	1.2	0	l or more		, L
Hydrofluoric acid	7664-39-3	0.056	· C	l or more	1 . 0 . 0 .	, i
Sulfuric acid	7664-93-9	3.6) C	l or more) () ()	, c
Nitrogen oxide	10102-43-9	69	0) • ou	12 or more
Nitrogen dioxide	10102-44-0	3.6	0		3.6	or i

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	,	Months	of the	Release
•	Total Quantity of	Mixture Released	in Previous Year	(in lbs. or kg)
	Number of	Days Release	Occurs	(per year)
Normal Kange of	Mixture			
	Components			Bound Bound
	Name of	Hazardous		Components CASRN#
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Nitrogen oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kgx &x &x)

Conesville	Stack	CS012		95 , 294
Conesville	Stack	3		29,603
Conesville	Stack	4	1	14,041
Conesville	Stack	CS056	1	28.729

TOTAL - SSI trigger for this hazardous substance release*: 367,667 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822: 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kexxor (Six)

Conesville Stack	CS012	5,015
Conesville Stack	3	1,558
Conesville Stack	4	6,008
Conesville Stack	CS056	6 , 775

TOTAL - SSI trigger for this hazardous substance release*: 19,356 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Hydrochloric acid

RQ56000

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., *kgxxrx&ix)

Conesville Stack	CS012	4,029
Conesville Stack	3	2,574
Conesville Stack	4	10,031
Conesville Stack	CS056	12,781

TOTAL - SSI trigger for this hazardous substance release*: _29,415 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Hydrogen fluoride

RQ 2/00

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs. ★kg×∞x ⓒ)

Conesville Stack CS012 411

Conesville Stack 3 263

Conesville Stack 4 1,024

Conesville Stack CS056 1,305

TOTAL - SSI trigger for this hazardous substance release*: 3,003 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Sulfuric acid

RQ 21000

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., *kgx>or*&*)

Conesville Stack CS012 2,481

Conesville Stack 3 922

Conesville Stack 4 3,583

Conesville Stack CS056 2,525

TOTAL - SSI trigger for this hazardous substance release*: 9,511 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 52

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Mercury

Rail

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs.xkgx@RGi)

Conesville Stack 4

2.2

Conesville Stack CS056

2.2

TOTAL - SSI trigger for this hazardous substance release*: 4.4 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Selenium dioxide

129:17

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kg ver (Six)

Conesville Stack 4

19.9

Conesville Stack CS056

25.4

TOTAL - SSI trigger for this hazardous substance release*:

45.3 lbs.

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522818; 522820; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Calcium arsenate

1921

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

13

Upper Bound of the Normal Range of the Release (specify lbs.xkgx@r&ix)

Conesville Stack CS012	3.9
Conesville Stack 3	2.5
Conesville Stack 4	9.6
Conesville Stack CS056	8.6

TOTAL - SSI trigger for this hazardous substance release*: 24.6 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Cyanides

KQ=10

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kgxxxx €x)

Conesville Stack 4

15.9

Conesville Stack CS056

19.5

TOTAL - SSI trigger for this hazardous substance release*: 35.4 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

f lof 3

Mq 12:5 10/41/2

GOVERNMENT USE ONLYGOVERNMENT USE ONLY*** NATIONAL RESPONSE CENTER (NRC)

IRIS/URC # 522818 - EMAN J TO CRUS

Incident Type: CONTINUOUS

Incident Cause: OTHER Affected Area:

NAME: GUY CERIMELE

AMERICAN ELECTRIC :noitasinagno

KIVERSIDE PLAZA

Name: DAN LAMBERT

:noitsainspn0

RELEASE REPORT,

INCIDENT

AN INITIAL CONTINUOUS THE CALLER IS REPORTING

SOURCE/CAUSE OF

WATERIAL(S) **KELEASED**

CONESAILLE, OH COUNTY: COSHOCTON 47201 COUNTY ROAD 273

> LOCATION INCIDENT

AMERICAN ELECTRIC

COUNTY ROAD 273 POWER Address: 47201

CONESAILLE, OH 45811

Type of Organization: PUBLIC UTILITY

PRIMARY Phone: (740)8294101

KESPONSIBLE PARTY

SUSPECTED

PUBLIC UTILITY :noitszinsp10 to 9qVT

(974)5531562

PRIMARY Phone:

AMERICAN ELECTRIC POWER CAJIED for the responsible party.

COLUMBUS, OH 43215

POWER Address: 1

YTAA9

REPORTING

local time.

13-MAR-00 at 14:00

discovered on

The incident was

*Report taken by: CIV ROBERTSON at 15:04 on 13-MAR-00

INCIDENT DESCRIPTION

AMOUNT/UNKNOWN Upper Bounds: UNKNOWN A]SO KNOWN AS: Name: CALCIUM ARSENATE Official Material CHRIS Code: CCA **INFORMATION JANOITIGGA** BY NRC NOTIFICATIONS ACTIONS **KEWEDIAL** DAMAGES

NOTIFICATIONS BY NRC

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID

A] 20 KNOWN AS:

AMOUNT/UNKNOWN

A]so Known As:

ACID

Upper Bounds: UNKNOWN

Name: HYDROFLUORIC Official Material CHRIS Code: HFA

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

Report any problems or Fax number changes by calling 1-800-424-8802 222818 *** END INCIDENT REPORT #

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

(5.11) HD

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HOMER ereclbic

Columbus, OH 43215-2373 1 Riverside Plaza American Electric Power

which a army fits

Chicago, Illinois 60604 Uail Code S-6J 77 West Jackson Boulevard Superfund Division U. S. EPA Region 5

Attention: Mr. Richard Karl, Director

of Continuous Releases - Conesville Plant. Written Notification of a Change in the Normal Range

Dear Mr. Karl:

Subject:

June 17, 2009

Plant Unit 4, (CR-ERNS #522822). The call to the NRC was assigned incident report #907097. continuous release of Sulfuric Acid Aerosol, a reportable substance, from the Conesville Power statistically significant increase in emissions that results in a change in the normal range of Southern Power, Conesville Power Plant notified the National Response Center (NRC) of a On May 30, 2009 at approximately 2:06 p.m. EST, Mrs. Georgeanne M. Hammond of Columbus

sulfuric acid emissions normal range are due solely to the change in the method of calculation. of the calculations methods used to estimate the emissions. The changes in the Unit 3, 5 and 6 Aerosol emissions (CASRN #7664939) for Units 3, 5 and 6 in accordance with this re-evaluation stacks. In addition, we are taking this opportunity to revise the normal range of Sulfuric Acid previously reported as a continuous release will not change for the Conesville Plant main boiler systems at Conesville Power Plant. The normal range of emissions for the other substances the emissions and the installation and commencement of operation of new air emission controls (CASRN #7664939) is the result of a re-evaluation of the calculations methods used to estimate The increase in the upper bound of the Unit 4 normal range of Sulfuric Acid Aerosol emissions

period from each of the Conesville Power Plant Units' main boiler stacks was: The previously reported range for continuous releases of Sulfuric Acid Aerosol within a 24-hour

Range from 408 to 3,381 pounds (CR-ERNS No: 522823) Stack/Unit No: 5/6 Range from 745 to 3,868 pounds (CK-EKN2 NO: 255855) Stack/Unit No: 4 Range from 280 to 1,720 pounds (CR-ERNS No: 522820) StackUnit No: 3

period should now be listed as follows: 7664939) from each of the Conesville Power Plant Units' main boiler stacks during a 24-hour The new normal range of emissions for continuous releases of Sulfuric Acid Aerosol, (CASRN #

Range from 1532 to 10,198 pounds (CK-EKM2 NO: 255853) Stack/Unit No: 5/6 Range from 1,488 to 9,128 pounds (CK-EKNS NO: 255855) Stack/Unit No: 4 Range from 211 to 2,262 pounds (CK-EKNS NO: 252820) Stack/Unit No: 3



These Sulfuric Acid Aerosol emissions are routine in nature, anticipated, intermittent and incidental to the normal operation of the Conesville power plant. Based upon these characteristics, these emissions are eligible for continuous release reporting. Actual releases will vary with seasonal operation of the equipment, actual hours of operation, fuel quality and other factors, but the released quantity is expected to remain within these estimated ranges.

Concurrent with the recent installation of new flue gas desulphurization and nitrogen oxide air emission controls, the original stack previously used for Conesville Plant Unit 4 now discharges through a newly constructed 800 abandoned in place. Conesville Plant Unit 4 now discharges through a newly constructed 800 foot fiberglass reinforced plastic (FRP) flue contained within a new concrete stack shell. Unit 4 was placed into service, discharging through its new flue, on May 30, 2009.

Conesville Unit's 1 and 2 stack (CR-ERNS Number 522812) and the Conesville Unit 4 auxiliary boiler have been retired from service and should be removed from your data base of reported information for the Conesville plant.

Enclosed are the revised forms for the Conesville Power Plant Unit(s) 3, 4, 5, & 6 (CR-ERNS #522820, 522822, & 522823). Specifically, we are providing Section I, (General Information), and Section III, calculation of the SSI (Upper Bound) for each semissions unit described above. Units 5 and 6 combustion gasses are discharged into a common stack but are reported as separate operating boilers, as they are independent operating emission units.

If you have any questions concerning this notice, please do not hesitate to contact Georgeanne M. Hammond by telephone at (740) 829-4065 or by e-mail at gmhammond@aep.com.

Tungustungals wastsudally regult

Sincerely,

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M. S. Borman Conesville Plant Manager

Enclosure

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Ohio Environmental Protection Agency Attn: State Emergency Response Commission 122 South Front Street Columbus, OH 43215

James Van Horn Coshocton County EMA 724 S. 7^{th} Street Coshocton, OH 43812

Ohio Environmental Protection Agency Attn: Mr. Dean Ponchak 2195 Front Street Logan, OH 43138

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		. S. Borman	Manager Manager Mark	i nozra¶ o amsN I mstq noiriso¶	in Charge Villisa Ta
	- C.K-EKNS NO: 25585				Person
1	CK-EKN2 NO 25585; CK-EKN2 NO 25585; CK-EKN2 NO 25585;	ant Unit No. 4	Conesville Power Pl Conesville Power Pl	lity or Vessel	Name of Fac
Part A. Facility or Vessel Information					
anager - Conceyille Power Plant re and Position Skind Scences Signature Signature Signature	uv Non	VIDIAI		Date 1-2009	1-9
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of a Change to	are submitting. Written Motifi for a Change to Initial Motifica	versary	innA tzuiT	eport: Indicate l	
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Vumber: 522820, 522822, & 522823	CK-EKN2			I: CENEKY	SECLION

CK-EKR2 Number: 522820

INFORMATION **ZECLION II: RONKCE**

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or

to be considered stable in quantity and rate. normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to * Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents,

OCSCCS "HARMEN SUSTA-ST"

of Surface Water

Average Velocity

following information, if available:

For a release to surface water, provide the

feet/second

MOTTAMAGNI RECLION IF ROOKCE

tance to the closest water well.	The release is on or under ground, indicate the dis
nge depth of lake: meters.	surface area of lake: acres and aver
se area of the lake in acres and the average depth in meters.	If the release affects a lake, give the surface
: cubic feet/second; OR	stream order: 01 average flow rate
cam order or average flow rate, in cubic feet per second.	If the release affects a stream, give the stre
dy, give the name of the water body.	If the release affects any surface water bo
or other	SURFACE WATER (stream , lak
duare feet or square meters.	* * * * * * * * * * * * * * * * * * * *
waste pile, landfill, valves, tank venta, pump seals, fugitive	If identified source is a stack, indicate stac
e medium affected is air, please also specify whether the	AIR \overline{X} (stack \overline{X} or area on the source is a stack or a ground-based area source.
il medium (i.e., air, surface water, soil, or ground water) that is ce releases hazardous substances to more than one medium (e.g., a release to EACH medium as a separate source and complete. H medium affected.	fected by the release from this source. If your sour
e following information. Please provide a SEPARATE age if necessary	or the source identified above, provide thi teet for EACH source. Photocopy this p
	ert B: Specific Information on the So
	Name of Source: Conesville Unit3
	(continued)

Kelvin, or Celsius

are suggested units. You may use other units; however, be certain that the units are clearly identified. make conservative assumptions about the appropriate values. Please note that the units specified below evaluating the risks associated with the continuous release. If this information is not provided, EPA will The following information is not required in the final rule; however, such information will assist EPA in

noitem rolal lanoitqO

meters/second

Gas Temperature 416.5 K degrees Fabrenheit,

For a stack release to air, provide the following

Gas Exit Velocity 345 ps feet/second or

Inside diameter 17'5" feet or meters

information, if available:

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522820

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source: Conesville Unit/Stack 3

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

All Other Substances	Sulfuric Acid	Name of Hazardous Substance
	7664939	CASRN #
	2,262 lbs/day	Norma (in lbs. or l <u>Upper Bound</u>
	211 lbs/day	Normal Range (in lbs. or kg per day)* Upper Bound Lower Bound
	365	Number of Days Release Occurs (per year)
	99,517 lbs.	Total Quantity Released in Previous Year (in lbs. or kg)*
	12	Months of the <u>Release</u>

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Remain as reported in Initial Notification

3/13/2000

Name of Mixture
Name of Hazardous Substance Components
CASRN#
(i Weight # Percentage
Normal I Comp n Ibs. or k Upper Bound
Normal Range of Components (in lbs. or kg per day)* Upper Lower Bound Bound
Normal Kange of Mixture * (in lbs. or kg per day)* Upper Lower Bound Bound
Number of Days Release Occurs (per year)
of Number of Total Quantity of May)* Days Release Mixture Released Mixture Released of Previous Year of (per year) (in lbs. or kg) Release Mixture Released Relea
Months of the Release

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

CK-EKIZ Mnmpel: 255855

SECTION II: SOURCE

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if

continuous without interruption Librative the activity(ies) that results in the release from this source (c.g., batch process, filling of a storage tank). Identify the activity(ies) that results in the release from this source (c.g., batch process, filling of a storage tank). Continuous and stable in quantity and rate.* Supervile Power Plant Unit 4 is a Combustion Engineering Model 7868 pulverized coal fired ateam generator, having a nominal heat input sign capacity of 7960 mmBtwh. Columbus Southern Power has installed a wet flue gas desulphurization scrubber and selective catalytic sign capacity of 7960 mmBtwh. Columbus Southern Power has installed a wet flue gas desulphurization scrubber and selective catalytic recleases associated with this source result from the combustion of fossil fluels to produce steam energy for the production of electricity, etherases in the upper bound of the normal range of Sulfurio Acid Acrosol emissions, CASBM # 7664939, is the result of a re-evaluation the calculations method used to estimate the emissions and the installation and the commenceration for the production of new air emission of the normal range of Sulfurio Acid Acrosol emissions, CASBM # 7664939, is the result of a re-evaluation and the upper bound of the normal range of Sulfurio Acid Acrosol emissions of new air emission of new air emission of the upper pound of the normal range of Sulfurio Acid Acrosol emissions of new air emission of new air emissions of the formal and the concernant of correction in 40 CFR Part 302.8 Continuous and as incorporated by reference into 40 CFR Part 302.8 Continuous and necessary and as incorporated by reference into 40 CFR Part 302.8 Continuous and as incorporated by reference into 40 CFR Part 302.8 Continuous and necessary and as incorporated by reference into 40 CFR Part 302.8 Continuous and necessary and necessary and necessary and necessary and necessary and necessary and n	If malfunction, describe the malfunction and explain why the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction about describe the malfunction and explain why the release from the malfunction about taste.* The initial motified with the source result from the combustion of continuous release was filed on March 13, 2000. Ox releases associated with this source result from the combustion of fost likels to produce steam energy for the production of electricity is increase in the upper bound of the normal range of Sulfuric Acid Acrosol emissions, CASRN # 7664939, is the result of a re-evaluation are increase in the upper bound of the normal range of Sulfuric Acid Acrosol emissions, CASRN # 7664939, is the result of a re-evaluation are increase in the upper bound of the normal range of Sulfuric Acid Acrosol emissions, CASRN # 7664939, is the result of a re-evaluation in the calculations method used to estimate for inclinations and the commercement of operations of new air emission in the calculations method used to estimate include periods of startup and shurdown and certain of representation of new air emissions of the commission of set of sections and the installation and the commercement of operations of new air emission in the calculations of new air emissions. It is not to release of identified substances include periods of startup and shurdown and certain oricumstances that may be defined as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification. It is not to release of identified substances include provides of startup and shurdown and certain oricumstations of new air emission in the companion of the startup and startup and shurdown and certain oricumstances that metal of the commission of new air emission in the companion of the startup and the commission of new air emission of the startup and s					<u> </u>			
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leases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification. A	leases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification. A					e Power Plant	t the Conesvill	iems on Unit 4 s	outtols sys
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X Past release data X Knowledge of the facility/vessel's Engineering estimate operations and release history	X Past release data X Knowledge of the facility/vessel's Engineering estimate operations and release history								
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operations and release history	operations and release history								
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* Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

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If the release is on or under ground, indicate the distance to the closest water well.
SOIL OR GROUND WATER
surface area of lake: acres and average depth of lake: metera.
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters.
stream order: or average flow rate: cubic feet/second; OR
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second.
. If the release affects any surface water body, give the name of the water body.
SURFACE WATER (stream , lake , or other)
♦ AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack, indicate stack height: 800 ft feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area:
For the source identified above, provide the following information. Please provide a SEPARATE TREATED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is frected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a frected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a frected by the release from this format for EACH medium as a separate source and complete releasing to air and ground water), treat the release to EACH medium as a separate source and complete satisfies by and C, of this format for EACH medium affected.
Part B: Specific Information on the Source
Name of Source: Conceville Unit 4
(bəunitnoa)
INFORMATION CR-ERNS Number: 522822

of Surface Water

Average Velocity

following information, if available: For a release to surface water, provide the

puoses/jeet

Kelvin, or Celsius

are suggested units. You may use other units; however, be certain that the units are clearly identified. make conservative assumptions about the appropriate values. Please note that the units specified below evaluating the risks associated with the continuous release. If this information is not provided, EPA will The following information is not required in the final rule; however, such information will assist EPA in

meters/second

32' 8" Teet or meters

Gas Temperature 325.9 K degrees Fabrenheit,

information, if available: //

For a stack release to air, provide the following

Gas Exit Velocity 15.3 avs feet/second or

Inside diameter

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522822

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source: Conesville Unit/Stack 4

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

All Other Substances	Sulfuric Acid	Name of Hazardous Substance
	7664939	CASRN #
	9128 lbs/day	Normal Range (in lbs. or kg per day)* Upper Bound Lower Bound
	1,488 lbs/day	Normal Range (in lbs. or kg per day)* pper Bound Lower Bound
	365	Number of Days Release Occurs (per year)
	429,800 lbs.	Total Quantity Released in Previous Year N (in lbs. or kg)*
	12	Months of the Release

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

in Initial Notification Remain as reported

3/13/2000

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Mixture
Name of Hazardous Substance Components
CASRN#
Weight Percentage
Normal Range of Components (in lbs. or kg per day) Upper Lower Bound Bound
*
Normal Range of Mixture (in lbs. or kg per day)* Upper Lower Bound Bound
Number of Days Release Occurs (per year)
Number of Total Quantity of Days Release Mixture Released Occurs in Previous Year (per year) (in lbs. or kg)
Months of the Release

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CK-EKN2 Mumpel: 222823

INFORMATION **SECLION II: SONBCE**

to be considered stable in quantity and rate.

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or

Other (explain)	łaəmgbuj lanoiesəle	X Beat buc	V5-45	X
X Engineering estimate	dge of the facility/vessel's ons and release history		Past release data	<u>x</u>
rse estimates.	este sand calculated release	ablished the patter	ify below how you est	3. Ident
in circumstances that 302.8 Continuous tion.		nal regulatory program	s under other state and fed	noitomitle
n energy for the production of electricity. # 7664939, is the result of a re-evaluation	oustion of fossil fuels to produce steam aric Acid Aerosol emissions, CASRA in the Conesville Power Plant	illu2 to agner lamnon	e in the upper bound of the	he increas
ving a nominal heat input design capacity hurization scrubber.	r (ESP) and a wet lime flue gas desulp	lectrostatic precipitate		mm1904 }
n process, filling of a storage tank) malfunction should be considered	aplain why the release from the	malfunction and e	function, describe the nous and stable in qua	If mal
, intermittent X	OR routine, anticipated		durnətni Juothiw enou	
	s either:	i source sint mort	ate whether the release	I. Indica
	442) HO	č tiαU a	of Source: Conesvil	Name
			<u> </u>	Aspssoo

normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to * Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents,

final rule: however, such information will assist EPA in	
notism soft la	inoitaO
ance to the closest water well.	If the release is on or under ground, indicate the distr
	SOIL OR GROUND WATER
ge depth of lake: meters.	surface area of lake: acres and avera
s area of the lake in acres and the average depth in meters.	
	stream order: or average flow rate:
am order or average flow rate, in cubic feet per second.	ents and aviounce areas a standing a sealer and 11
ly, give the name of the water body.	. If the release affects any surface water bod
	•
or other	SURFACE WATER (stream , lake
medium (i.e., air, surface water, soil, or ground water) that is ereleases hazardous substances to more than one medium (e.g., a release to EACH medium as a separate source and complete 4 medium affected. medium affected is air, please also specify whether the	heet for EACH source. Photocopy this page rected by the release from this source. If your source astepile releasing to air and ground water), treat the ection II, Parts A, B, and C, of this format for EACH source is a stack or a ground-based area source. If identified source is a stack, indicate stack
	art B: Specific Information on the Sou
	Name of Source: Conesville Unit 5
CK-EKN2 Namber: 522823	(bənnitnoə)
$(\lambda \Lambda \lambda \lambda)$ $(\lambda \Lambda)$	INEORMYLION

Average Velocity of Surface Water

following information, if available:

For a release to surface water, provide the

feet/second

Kelvin, or Celaius

evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units apecified below are suggested units. You may use other units, however, be certain that the units are clearly identified.

meters/second

56' feet or meters

Gas Temperature 124.8 K degrees Fahrenheit,

For a stack release to air, provide the following

Gas Exit Velocity 78.4 fleet/second or

Inside diameter

information, if available:

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source: Conesville Unit/Stack 5

9 Lo 57 Story Story

Carpens J Tas A

Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of

(in lbs. or kg per day)* Normal Range

Number of Days Release Occurs

Released in Previous Year (in lbs. or kg)* Total Quantity

213,816 lbs.

12

Months of the Release

All Other Substances

Sulfuric Acid

Name of Hazardous Substance

CASRN 7664939

Upper Bound

Lower Bound

(per year)

5,099 lbs/day

766 lbs/day

Remain as reported

in Initial Notification

3/13/2000

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Normal Range of Components

Normal Range of

Name of

Substance Components Hazardous

Name of Mixture

CASRN#

Percentage Weight

Upper Bound

(in Ibs. or kg per day)*

Lower Bound

Upper

(in lbs. or kg per day)*
Upper Lower

Bound Bound

Number of 10tal Quantity of Days Release Mixture Released (per year) Occurs Total Quantity of

in Previous Year (in lbs. or kg)

Release of the

Months

Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate

CK-EKN2 Numper: 522823

INFORMATION **ZECLIONII: ZONBCE**

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

	<u>.</u>	_				
Other (explain)	judgment	Best professional	X		γγ-4 δ	X
X Engineering estimate		Knowledge of the operations and re	X	lease data	ər tas4 _	X
ase estimates,	se and calculated rele	he pattern of releas	t bərlaildət	w How you es	ntify belov	3. Ider
				•		
nin circumstances that may be defined as sion in 40 CFR Part 302.8 Continuous ation.	ars burs awobut sons que to sons and certs the requirements for more sond Motifics and Motifics and Motifics are sond to some sond the son	ory programs but meet	leral regulate	her state and feo	ons under of	nalfunctic
n energy for the production of electricity. # 7664939, is the result of a re-evaluation	rosol emissions, CASRN :		ner lemron e	per bound of th	rse in the up	The increa
100 1 100	o production of	jed on March 13, 200	t 28W 98a9l91	suountinoo to	notification	fatini ədT
ving a nominal heat input design capacity	oal, dry-bottom boiler hav a wet lime flue gas desulp					
				up ni əldste i		
n process, filling of a storage tank). malfunction should be considered						
, intermittent X	routine, anticipated	яо	tion	qurratni luon	biw suoun	utrioo
·		source is either:	sid mod s	ser the releas	cate whet	ibaI .1
-n 5	U PHOTO		ð tiπU ∍ll	ICC: Concavi	noS to a	msN

to be considered stable in quantity and rate. normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to * Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emerzency shudowns, or accidents,

CK-EKIZ Inmpel: 255853

SECTION II: SOURCE (continued)

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-	To the second				· · · · · · · · · · · · · · · · · · ·	

Part B: Specific Information on the Source

For the source identified above, provide the following information. Please provide a SEPARAIE sheet for EACH source. Photocopy this page if necessary.

AFFECTED MEDIUM. Identify the environmental medium (i.e., sit, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected.

OR GROUND WATER	nos 🔕
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. aurface area of lake: acres and average depth of lake: meters.	r
TEACE WATER (stream, lake, or other like water body.	ins Ø
If identified source is a stack, indicate stack height: 800 ft feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area:	± 6
ce is a stack or a ground-based area source.	AIA 🔕

Optional Information

The following information is not required in the final rule; however, such information will assist EPA in make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a release to surface water, provide the following information, if available:
Average Velocity feet/second of Surface Water

For a stack release to air, provide the following information, if available:

Inside diameter 26' feet or meters

Gas Exit Velocity 78.4 fb.s. feet/second or meters/second

Gas Temperature 324.8 K degrees Fahrenheit,

Kelvin, or Celsius

If the release is on or under ground, indicate the distance to the closest water well.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522823

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Name of Source: Conesville Unit/Stack 6 The CS OSO Confirms w

Z Z

List each hazardous substance released from the source identified above and provide the following information: (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance CASRN# Upper Bound (in lbs. or kg per day)* Normal Range Release Occurs Number of Days Released in Previous Year (un lbs. or kg)* Total Quantity Months of the Release

Lower Bound 766 lbs/day (per year) 167,409 lbs.

224,18K DIXIO

in Initial Notification

3/13/2000

All Other Substances Remain as reported

Sulfuric Acid

7664939

5,099 lbs/day

Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.) List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting

Name of Muxture Substance Components Hazardous Name of CASRN# Percentage Weight (in lbs. or kg per day)*
Upper Lower
Bound Bound Normal Range of Components (in lbs. or kg per day)*
Upper Lower
Bound Bound Normal Range of Mixture Number of Local Quantity of Days Release Mixture Released (per year) Occurs Total Quantity of in Previous Year (un lbs. or kg) Months Release

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522820, 522822, & 522823

INEORWYLION RECLION III: ROBRLYNCE

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance: Sulfuric Acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Upper Bound of the Normal Range of the Release (specify lbs., kg., or Ci)

2,262 1,262 158/day

9,128 lbs/day 5,099 lbs/day

gsb/sdl 990,2

Name of Source(s)

Conesville Power Plant Unit/Stack 4

Conesville Power Plant Unit/Stack 4

Conesville Power Plant Units/Stack 5

Conceville Power Plant Units/Stack 6

Alj Other Substances
Remain as reported
in Initial Motification
3/13/2000

TOTAL - SSI trigger for this hazardous substance release*: 21,588 lbs/day

* This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequency and quantity of the release. The SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflease at the lacing of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year

HQS-PF-fldr-NRC@uscg.mil

2nplect NBC#80\08\

Information released to a third party shall comply with any ***COVERNMENT USE ONLY***GOVERNMENT USE ONLY*** NATIONAL RESPONSE CENTER 1-800-424-8802

*Report taken by: MST3 KATIE WILSON at 14:06 on 30-MAY-09

Incident Cause: OTHER

Affected Area:

Organization: COLUMBUS SOUTHERN POWER

47201 COUNTY ROAD 273

COLUMBUS SOUTHERN POWER reported for the responsible party.

PRIMARY Phone: (740)8294065

SOURCECTED RESPONSIBLE PARTY

Organization: COLUMBUS SOUTHERN POWER

47201 COUNTY ROAD 273

COMESAIFFE' OH #3811

PRIMARY Phone: (740)8294065

PLANT MANAGER: MARK BORMAN, PHONE: 740-829-4101

:ssarbbA

FIRST TIME.

CILY: CONESVILLE State: OH Zip: 43811 47201 COUNTY ROAD 273 COUNTY: COSHOCTON

CHRIS Code: SFA

:ЭшьИ

GEORGANNE HAMMOND

Qty Released: 0 UNKNOWN AMOUNT

Also Known As: SULFURIC ACID (AREOSOL)

SENSILIAE INFORMATION

DESCRIBLION OF INCIDENT

RELEASED MATERIAL(S)

INCIDENT LOCATION

Official Material Name: SULFURIC ACID

UNIT. THE INCREASE IS DUE TO THE START UP OF THE NEW UNIT FOR THE AEROSOL THAT IS BEING RELEASED FROM UNIT 004, A COAL FIRE GERNATING CONTINUOUS RELEASE FROM A POWER PLANT. THE MATERIAL IS SULFURIC ACID

CYPTEK IS KEPORTING A STATISTICALLY SIGNIFICANT INCREASE TO A

Type of Organization: PRIVATE ENTERPRISE

COMESAIFFE' OH #3811

CEORGANNE HAMMOND

REPORTING PARTY

Affected Medium: AIR

Incident occurred on 30-MAY-09 at 13:54 local incident time.

Incident Type: CONTINUOUS

INCIDENT DESCRIPTION

Incident Report # 907097 applicable federal and/or state Freedom of Information and Privacy Laws

05/30/2009 01:28 PM

OΤ

INCIDENT DETAILS

Building ID:

Type of Fixed Object: POWER PLANT

Power Generating Facility: YES

Generating Capacity:

Type of Fuel: COMBUSTION

NEDER:

NPDES Compliance: UNKNOWN

Initial Continuous Release Number: 522822 Continuous Release Type: STATISTICALLY SIGNIFICANT INCREASE

Continuous Release Permit: 6160000

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

Fassenger: Empl/Crew: :bəzilatiqeoH ON IN10BIES:

Radius/Area: Mho Evacuated: EVACUATIONS: NO Fassenger: Occupant: Empl/Crew: EATALITIES: NO

ngwgdes: ON

Closed Closure Closure Type Description of Closure Direction of sinoH

Ν

Major Ν :xiA

Ν Artery: N Road:

Ν Waterway:

Track:

Environmental Impact: UNKNOWN

Media Interest: NONE Community Impact due to Material:

NONE KEMEDIAL ACTIONS

Release Rate: Release Secured: NO

Estimated Release Duration:

Megfher: UNKNOWN, °F

NONE Federal: ADDITIONAL AGENCIES NOTIFIED

State/Local On Scene: NONE State/Local: NONE

21316 Agency Number: NONE

NOTIFICATIONS BY NRC

MEATHER

30-MAY-09 14:28 (609)7240008 PILENTIC STRIKE TEAM (MAIN OFFICE)

30-MAY-09 14:28 (202)3661863 DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)

CONT. RELEASE (MAIN OFFICE)

9806E09(E0L) 8Z:PI 60-XWW-0E

30-384 (312) 82:41 60-YAM-08 CONT. RELEASE 5 (MAIN OFFICE)

U.S. EPA V (MAIN OFFICE)

(312)3233318

NOAR RPTS FOR OH (MAIN OFFICE)

NATIONAL RESPONSE CENTER HQ (MAIN OFFICE) 30-YAM-09 14:28 (206)5264911

OHIO DEPARTMENT OF HEALTH (OHDOH) (202)5671136

30-YAY-09 14:28 (614)7528451

30-44-05 14:05 82:01 60-XAM-08 ATTN: DUTY OFFICER (MAIN OFFICE) OH EPA

FOLLOW-UP REPORT. CALLER WILL NOTIFY THE SERC, LEPC, AND CONESVILLE FIRE DEPT. CALLER STATES THAT THE UPPER BOUNDS WILL BE PROVIDED IN THE WRITTEN STATES THAT THE UPPER BOUNDS WILL BE PROVIDED IN THE WRITTEN

CONTINUOUS RELEASE MATERIAL

Upper Bounds: 0 UNKNOWN AMOUNT/DAY Also Known As: SULFURIC ACID (AEROSOL) CHKIS Code: SFA Official Material Name: SULFURIC ACID

*** END INCIDENT KEFORT #907097 ***

PLEASE VISIT OUR WEB SITE AT Attp://www.nrc.uscg.mil Report any problems by calling 1-800-424-8802



AMERICAN ELECTRIC POWER

May 11, 2001

U.S. EPA Region V
Office of CEPP Chemical Preparedness
77 West Jackson Blvd.
Chicago, IL 60604

Re:

American Electric Power

Annual Follow-up Continuous Release Notification

Dear Sir or Madam:

Please find enclosed first anniversary follow-up reports on continuous release notifications for the following facilities:

Facility Name	CR-ERNS Number	Facility Location
Big Sandy Plant	522751	Louisa, KY 41230
Cardinal Plant	522824, 522825 & 522827	Brilliant, OH 43913
Conesville Plant	(522818, \$22820, 522822 & 522823	Conesville, OH 43811
Gavin Plant	522747 & 522748	Cheshire, OH 45620
Kammer Plant	522800	Moundsville, WV 26041
Mitchell Plant	522794	Moundsville, WV 26041
Mountaineer Plant	522753	New Haven, WV 25265
Muskingum River Plant	522754 & 522755	Waterford, OH 45786
Picway Plant	522789	Lockbourne, OH 43137
Rockport Plant	522778	Rockport, IN 47635
Philip Sporn Plant	522816 & 522817	New Haven, WV 25265

These reports are being submitted in accordance with 40 CFR §302.8 to follow up initial written notifications made in May 2000. These reports were prompted by the issuance of an interim guidance document by the Environmental Protection Agency on December 21, 1999 giving notice of specific interpretations of the definition of a "federally permitted release" under Section 101 (10)(H) of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). AEP does not agree with the positions announced in the guidance and has participated in the review and evaluation of the initial guidance and subsequent guidance documents. However, the enclosed reports are based on the interpretations announced in the interim guidance.

Please note that the emissions reported in the enclosed reports represent a range of levels at which individual hazardous constituents may be present in the emissions associated with the normal operations of the major sources at our power plants. They do not represent "emergency" conditions, pose threats to public health or welfare or require specific emergency response or planning activities. Actual emissions will vary with hours of operation, fuel quality and other factors.

If you have any questions concerning the enclosed reports, please contact me at (614) 223-1246.

Sincerely,

Thomas R. Zelina

Thomas & Elia

Manager, Waste Management and Mediation Services

Att Toping to them of progress

SECTION	I: GENERAL INFORMATION		CR-ERNS	Number: 522818; 522820; 522822; 522823		
			Date of Initi	al Call to NRC: 03/13/00		
	eport: Indicate below the type of report y First Anniversary Follow-up Report		written Notifi Of a Change to Initial Notific	o of a Change to		
quantity and r	ternent: I certify that the hazardous sub- rate under the definitions in 40 CFR 302.8(a current to the best of my knowledge.) or	355.4(a)(2)(iii) a	and that all submitted information is		
	5/8/01 / Date	Jo.	ule Do	ne and Position FOR DAN Signature LATISITE		
Part A. Fac	ility or Vessel Information					
Name of Fac	-1-, 77 1 1			Conesville Unit No. 3, nesville Unit Nos. 5 and 6		
Person in Charge of Facility or Vessel	Name of Person in Charge Dan Lam Position Plant Manager Telephone No. (740) 829-4101	ber		lephone No. ()		
Facility Address or Vessel Port of Registration	cility dress or Street 47201 County Road 273 County Coshocton ssel rt of City Conesville State OH Zip Code 43811					
	dstreet Number for Facility .	069	068450			
Facility/Vessel Latitude Deg 040 Min 11 Sec 08 Vessel LORAN Coordinates Location Deg 081 Min 52 Sec 48						
Part B. Pop	oulation Information					
Population Density	Choose the range that describes the populate (Indicate by placing an "X" in the appropriation of the control of	ate b	•	ns more than 1000 persons		
Sensitive Populations and	Sensitive Populations or Ecos (e.g., schools, hospitals, wetlands, wildl	-		Distance and direction from facility		
Ecosystems Within One Mile Radius	Conesville Elementary School Wetland Wetland		·	3/4-mi., N.W. 3/4-mi., N. 1/2-mi., S.		

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820;

522822: 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

continuous without interruption	OR routine, anticipate	V
		ed, intermittent
	sults in the release from this source (e.g., bat function and explain why the release from the y and rate.*	
The releases associated with this for production of electricity.	source result from the combustion of fossil fu	els to produce steam energy
circumstances that may be defin- meet the requirements for inclus	tified substances include periods of startup and ed as malfunctions under other state and federation in 40 CFR Part 302.8 Continuous Releases Emergency Planning and Notification.	al regulatory programs but
ldentify below how you establish	shed the pattern of release and calculated rel	ease estimates.
X Past release data _	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	Other (explain)
		•

do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 522818; 522820; 522822; 522823

Name of Source: Conesville Stack CS012 Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., a wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected. AIR X (stack X or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 450 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: _____ square feet or square meters. O SURFACE WATER _____ (stream _____, lake _____, or other ____ If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: ____ or average flow rate: ___ cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: ____ acres and average depth of lake: ____ meters. **O SOIL OR GROUND WATER** If the release is on or under ground, indicate the distance to the closest water well. **Optional Information** The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified. For a release to surface water, provide the For a stack release to air, provide the following following information, if available: information, if available: Average Velocity _____ feet/second Inside diameter _____ feet or meters of Surface Water Gas Exit Velocity _____ feet/second or

meters/second

Kelvin, or Celsius

Gas Temperature _____ degrees Fahrenheit,

SECTION II: SOURCE INFORMATION (continued)

522822; 522823 CR-ERNS Number:

522818; 522820;

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack CS012

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

200

		Norma	Normal Range	Number of Days	Total Quantity	, S
		(in lbs. each	(in lbs. eadigeper day)*	Release Occurs	Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. okks)*	Release
Nitrogen oxide	10102439	99,622	57,871	365	13,600,524	1.2
Nitrogen dioxide	10102440	5,243	3,046	365	715,800	12
Hydrochloric acid	7647010 ~	4,212	2,297	365	000'096	12
Hydrogen fluoride - 700, 7664393 V	7664393	430	235	365	81,000	1.2
Sulfuric acid	7664939	2,593	1,506	365	374,000	1.2
Calcium arsenate	7778441	5.2	1.5	365	354	12
Mercury	7439976	6.0	0.5	365	194	12
Selenium dioxide	7446084	11.8	4.1	365	2,352	12
Acrolein 107028 -	107028 ↔	0.2	0.1	365	27	12
Cyanides	57125	8.9	4.4	365	1,475	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reperting Requirements for Continuous Releases of Hazardous Substances · A Guide for Facilities and Vessels on Compliance.)

,		Months	of the	Release
Total Outside: of	TOTAL CURINITY OF	Mixture Released	in Previous Year	(in lbs. or kg)
	Numper of	Days Release	Occurs	
Nor	Mixture		Upper Lower	
Normal Range of	Components	in lbs. or kg per day)*	Upper Lower	Bound Bound
		· .	Weight	Percentage
-				CASRN#
;	Name of	Hazardous	Substance	Components
-	:			Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE INFORMATION

CR-ERNS Number: 522818; 522820;

522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source: Conesville Stack 3					
Indicate whether the release from this source is either: continuous without interruptionOR routine, anticipated, intermittent					
2. Identify the activity(ies) that results in the release from this source (e.g., batch process, filling of a storage tank). If malfunction, describe the malfunction and explain why the release from the malfunction should be considered continuous and stable in quantity and rate.* The releases associated with this source result from the combustion of fossil fuels to produce steam energy for production of electricity. Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.					
3. Identify below how you established the pattern of release and calculated release estimates.					
X Past release data X Knowledge of the facility/vessel's X Engineering estimate operations and release history					
X AP-42 X Best professional judgment Other (explain)					

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

Gas Temperature _____ degrees Fahrenheit,

Kelvin, or Celsius

ORMATION CR-ERNS Number:

522818; 522820; 522822; 522823

Name of Source: Conesville Stack	. 3			
Part B: Specific Information on the Source				
For the source identified above, provide the follo sheet for EACH source. Photocopy this page if				
AFFECTED MEDIUM. Identify the environmental medicaffected by the release from this source. If your source release wastepile releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH medicates.	ases hazardous substances to more than one medium (e.g., a e to EACH medium as a separate source and complete			
Source is a stack or a ground-based area source.	ım affected is air, please also specify whether the			
If identified source is a stack, indicate stack heigh	nt: 450 feet ocometeus; OR			
If identified source is an area source (e.g., waste emissions), indicate surface area: square for	pile, landfill, valves, tank vents, pump seals, fugitive eet or square meters.			
O SURFACE WATER, lake	, or other)			
If the release affects any surface water body, giv	e the name of the water body.			
If the release affects a stream, give the stream order: or average flow rate:	cubic feet/second; OR			
If the release affects a lake, give the surface area	of the lake in acres and the average depth in meters.			
surface area of lake: acres and average de	pth of lake: meters.			
O corr on chorage water				
SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.				
Optional Inf	formation			
The following information is not required in the final revaluating the risks associated with the continuous relember conservative assumptions about the appropriare suggested units. You may use other units; however	ease. If this information is not provided, EPA will iate values. Please note that the units specified below			
For a stack release to air, provide the following information, if available: Inside diameter feet or meters Gas Exit Velocity feet/second or meters/second	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water			

SECTION II: SOURCE INFORMATION

522818; 522820; 522822; 522823

CR-ERNS Number:

(continued)

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack 3

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Tuble 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

Name of Hazardous Substance	CASRN#	Normal Range (in lbs. ækkg per day)* Upper Bound Lower Bo	Range g per day)* Lower Bound	Number of Days Release Occurs (per year)	Total Quantity Released in Previous Year (in lbs. ækkg)*	Months of the Release
Nitrogen oxide	10102439	31,303	13,008	365	3,136,000	12
Nitrogen dioxide	10102440	1,648	685	365	165,000	12
Hydrochloric acid	7647010	2,722	1,068	. 365	580,000	12
Hydrogen fluoride	7664393	278	109	365	49,000	12
Sulfuric acid	7664939	1,720	280	365	113,000	12
Calcium arsenate	7778441	3.4	0.7	365	352	12
Mercury V	7439976 -	9.0	0.3	365	118	12
Selenium dioxide /	7446084	7.6	2.8	365	1,424	12
Acrolein	107028	0.1	0.0	365	17	12
Cyanides /	57125	7.6	3.8	365	892	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances · A Guide for Facilities and Vessels on Compliance.)

,	:	Months	of the	Release
	lotal Quantity of	Mixture Released	in Previous Year	(in lbs. or kg)
	Number of	Days Release	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	day)*		Bound Bound
			Weight	Percentage
				CASRN#
	Name of	Hazardous	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE **INFORMATION**

CR-ERNS Number: 522818; 522820:

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:	Conesville Stack 4	
1. Indicate whether the release	from this source is either:	
continuous without interrupti	ion OR routine, anticipate	ed, intermittent X
	t results in the release from this source (e.g., bat malfunction and explain why the release from th intity and rate.*	
The releases associated with for production of electricity.	this source result from the combustion of fossil fu	nels to produce steam energy
circumstances that may be d meet the requirements for in	identified substances include periods of startup and lefined as malfunctions under other state and feder clusion in 40 CFR Part 302.8 Continuous Releases Emergency Planning and Notification.	al regulatory programs but
3. Identify below how you est	ablished the pattern of release and calculated rel	ease estimates.
X_ Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
<u>X</u> AP-42	X Best professional judgment	Other (explain)
•		

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION

Gas Exit Velocity _

Gas Temperature

Kelvin, or Celsius

___ feet/second or meters/second degrees Fahrenheit.

(continued)

CR-ERNS Number: 522822; 522823

522818; 522820;

Name of Source: Conesville Stack 4				
Part B: Specific Information on the Source				
For the source identified above, provide the following sheet for EACH source. Photocopy this page if new	-			
AFFECTED MEDIUM. Identify the environmental medium affected by the release from this source. If your source releases wastepile releasing to air and ground water), treat the release to Section II, Parts A. B., and C., of this format for EACH medium	hazardous substances to more than one medium (e.g., a EACH medium as a separate source and complete			
O AIR X (stack X or area) If the medium a source is a stack or a ground-based area source.	affected is air, please also specify whether the			
If identified source is a stack, indicate stack height:	800 feet ouxusetess; OR			
If identified source is an area source (e.g., waste pile emissions), indicate surface area: square feet of				
O SURFACE WATER (stream, lake, o	r other)			
If the release affects any surface water body, give th	e name of the water body.			
If the release affects a stream, give the stream order of stream order: or average flow rate: cut	· · · · · · · · · · · · · · · · · · ·			
If the release affects a lake, give the surface area of the				
surface area of lake: acres and average depth				
O SOIL OR GROUND WATER				
If the release is on or under ground, indicate the distance to the closest water well.				
Optional Inform				
The following information is not required in the final rules evaluating the risks associated with the continuous release make conservative assumptions about the appropriate are suggested units. You may use other units; however, but the suggested units is a suggested units.	e. If this information is not provided, EPA will values. Please note that the units specified below			
For a stack release to air, provide the following information, if available: Inside diameter feet or meters Gas Exit Velocity feet/second or	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water			

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack 4

600 Jus List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Range	Number of Days	Total Quantity	340
		(in lbs. nark	(in lbs. akkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. Brkg)*	Release
Nitrogen oxide	10102439	120,743	34,522	365	17,600,000	12
Nitrogen dioxide	10102440	6,355	1,817	365	930,000	12
Hydrochloric acid V	7647010	10,620	2,850	365	2,720,000	1.2
Hydrogen fluoride	7664393	1,084	291	365	230,000	12
Sulfuric acid	7664939	3,868	745	365	442,000	12
Mercury /	7439976	2.3	9.0	365	538	12
Selenium dioxide V	7446084	29.8	5.7	365	6,688	12
Calcium arsenate /	7778441 -	13.5	1.9	365	1,756	12
Cyanides V	57125	17.8	5.6	365	4,241	12
Acrolein .	107028	0.3	0.1	365	77	12

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	Months	of the	Release
Total Quantity of	, Mixture Released	in Previous Year	(in lbs. or kg)
Number of	Days Release	Occurs	(per year)
Normal Range of Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of Components	n lbs. or kg per day)*	Upper Lower	Bound Bound
	Ü	Weight	
			CASRN#
Name of	Hazardons	Substance	Components
			Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE INFORMATION

CR-ERNS Number:

522818; 522820;

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

. Indicate whether the release	From this course is either			
. Indicate whether the release	from this source is either:			
continuous without interrupti	ionOR routine, anticipa	ited, intermittent X		
	it results in the release from this source (e.g., be malfunction and explain why the release from the intity and rate.*			
The releases associated with for production of electricity.	this source result from the combustion of fossil	fuels to produce steam energy		
Calculations for releases of identified substances include periods of startup and shutdown and certain circumstances that may be defined as malfunctions under other state and federal regulatory programs but meet the requirements for inclusion in 40 CFR Part 302.8 Continuous Releases, and as incorporated by reference into 40 CFR Part 355 Emergency Planning and Notification.				
•		,		
		elease estimates		
 Identify below how you est 	ablished the pattern of release and calculated re	sieuse ustiliagus.		
Identify below how you est X Past release data	 X Knowledge of the facility/vessel's operations and release history 	X Engineering estimate		
	X Knowledge of the facility/vessel's			
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate		
X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate		
_X Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate		

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION (continued)

Gas Temperature _

degrees Fahrenheit, Kelvin, or Celsius

CR-ERNS Number:

522818; 522820; 522822; 522823

Name of Source: Conesville Stac	k CS056			
Part B: Specific Information on the Source				
For the source identified above, provide the follo	owing information. Please provide a SEPARATE			
sheet for EACH source. Photocopy this page if	necessary.			
AFFECTED MEDIUM. Identify the environmental mediaffected by the release from this source. If your source relewastepile releasing to air and ground water), treat the release Section II, Parts A, B, and C, of this format for EACH medians.	ases hazardous substances to more than one medium (e.g., a se to EACH medium as a separate source and complete			
O AIR x (stack x or area) If the media source is a stack or a ground-based area source.	um affected is air, please also specify whether the			
If identified source is a stack, indicate stack heig	ht: _800 feet ør metern; OR			
If identified source is an area source (e.g., waste emissions), indicate surface area: square f	pile, landfill, valves, tank vents, pump seals, fugitive feet or square meters.			
O SURFACE WATER (stream, lake	_ , or other)			
If the release affects any surface water body, give	ve the name of the water body.			
If the release affects a stream, give the stream or	der or average flow rate, in cubic feet per second.			
stream order: or average flow rate:	cubic feet/second; OR			
If the release affects a lake, give the surface area	of the lake in acres and the average depth in meters.			
surface area of lake: acres and average depth of lake: meters.				
O SOIL OR GROUND WATER				
If the release is on or under ground, indicate the distance to the closest water well.				
Optional Inf	formation			
The following information is not required in the final evaluating the risks associated with the continuous remake conservative assumptions about the appropriare suggested units. You may use other units; however	lease. If this information is not provided, EPA will iate values. Please note that the units specified below			
For a stack release to air, provide the following information, if available: Inside diameter feet or meters Gas Exit Velocity feet/second or meters/second	For a release to surface water, provide the following information, if available: Average Velocity feet/second of Surface Water			

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number: 5228

522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Stack CS056

97 85 Card List each hazardous substance released from the source identified above and provide the following information. (For an example, see Tuble Lof Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Normal Range (in lbs. akkg per day)*	Range sperday)*	Number of Days Release Occurs	Total Quantity Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. Brkg)*	Release
Nitrogen oxide	10102439	129,130	35,035	365	19,570,000	12
Nitrogen dioxide	10102440	6,796	1,844	365	1,030,000	1.2
Hydrochloric acid -	7647010	12,819	3,184	365	611,000	1.2
Hydrogen fluoride	7664393	1,309	325	365	46,000	1.2
Sulfuric acid	7664939	3,381	408	365	320,000	1.2
Mercury	7439976 -	2.2	0.5	365	343	12
Selenium dioxide	7446084	36.0	6.3	365	1,749	12
Calcium arsenate	7778441	11.5	1.5	365	1,132	. 12
Cyanides /	57125	22.9	5.9	365	5,002	12
Acrolein	107028	0.4	0.1	365	06	1.2

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

,	_	_	of the	Release
	lotal Quantity of	Ξ, '	-	(in lbs. or kg)
	Number	Days Rele	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
				CASRN#
	Name of	Hazardous	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE INFORMATION

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CR-ERNS Number: 522818; 522820;

522822; 522823

Part A: Basis for Asserting the Release is Continuous and Stable in Quantity and Rate.

For EACH source of a release of a hazardous substance or mixture from your facility or vessel, provide the following information on a SEPARATE sheet. Photocopy this page if necessary.

Name of Source:	Conesville Auxiliary Boiler 4	
Indicate whether the release continuous without interrupt		ed, intermittent
	nt results in the release from this source (e.g., bat malfunction and explain why the release from the antity and rate.*	
Combustion of fuel o	oil to produce steam for heat or u	nit start-up.
. • •		
	-	•
3. Identify below how you est	tablished the pattern of release and calculated rel	lease estimates.
x Past release data	X Knowledge of the facility/vessel's operations and release history	X Engineering estimate
X AP-42	X Best professional judgment	Other (explain)

^{*} Note that unanticipated events, such as spills, pipe ruptures, equipment failures, emergency shutdowns, or accidents, do not qualify for reduced reporting under CERCLA section 103(f)(2). Unanticipated events are not incidental to normal operations and, by definition, are not continuous or anticipated, and are not sufficiently predictable or regular to be considered stable in quantity and rate.

SECTION II: SOURCE INFORMATION

(continued)

CR-ERNS Number:

522818; 522820; 522822; 522823

Part B: Specific Information on the Source For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected. AIRX (stackX or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 240 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a lake, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	<u>* , </u>	
For the source identified above, provide the following information. Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary. AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete Section II, Parts A, B, and C, of this format for EACH medium affected. AIR (stack or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 240 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	Name of Source:	Conesville Auxiliary Boiler 4
AFFECTED MEDIUM. Identify the environmental medium (i.e., air, surface water, soil, or ground water) that is affected by the release from this source. If your source releases hazardous substances to more than one medium (e.g., wastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete section II, Parts A, B, and C, of this format for EACH medium affected. AIR _X_ (stack _X_ or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 240_ feet or meters. OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	Part B: Specific In	formation on the Source
understed by the release from this source. If your source releases hazardous substances to more than one medium (e.g., vastepile releasing to air and ground water), treat the release to EACH medium as a separate source and complete section II, Parts A, B, and C, of this format for EACH medium affected. ② AIR _x (stack _x or area) If the medium affected is air, please also specify whether the source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 240 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. ② SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. ② SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.		
source is a stack or a ground-based area source. If identified source is a stack, indicate stack height: 240 feet or meters; OR If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. SURFACE WATER (stream lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	affected by the release fro wastepile releasing to air	om this source. If your source releases hazardous substances to more than one medium (e.g., a and ground water), treat the release to EACH medium as a separate source and complete
If identified source is an area source (e.g., waste pile, landfill, valves, tank vents, pump seals, fugitive emissions), indicate surface area: square feet or square meters. SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.		·
emissions), indicate surface area:square feet or square meters. SURFACE WATER (stream, lake, or other) If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	If identified so	urce is a stack, indicate stack height: 240 feet or-meters; OR
If the release affects any surface water body, give the name of the water body. If the release affects a stream, give the stream order or average flow rate, in cubic feet per second, stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters, surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.		
If the release affects a stream, give the stream order or average flow rate, in cubic feet per second. stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. O SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	O SURFACE WATER	R (stream, lake, or other)
stream order: or average flow rate: cubic feet/second; OR If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. O SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	If the release a	ffects any surface water body, give the name of the water body.
If the release affects a lake, give the surface area of the lake in acres and the average depth in meters. surface area of lake: acres and average depth of lake: meters. O SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.		
surface area of lake: acres and average depth of lake: meters. SOIL OR GROUND WATER If the release is on or under ground, indicate the distance to the closest water well.	·	
If the release is on or under ground, indicate the distance to the closest water well.	•	
If the release is on or under ground, indicate the distance to the closest water well.	O SOUL OR CROUNT	D. WATTER
Optional Information		
Optional information		Outine d'Information
		Ориона иногнации

The following information is not required in the final rule; however, such information will assist EPA in evaluating the risks associated with the continuous release. If this information is not provided, EPA will make conservative assumptions about the appropriate values. Please note that the units specified below are suggested units. You may use other units; however, be certain that the units are clearly identified.

For a stack release information, if ava	to air, provide the following ilable:
Inside diameter	feet or meters
Gas Exit Velocity	feet/second or
-	meters/second
Gas Temperature	degrees Fahrenheit.

Kelvin, or Celsius

For a release to surface water, provide the following information, if available:

Average Velocity ______ feet/second of Surface Water

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Auxiliary Boiler A

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Tuble 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	į	Norma	Normal Kange	Number of Days	Total Quantity	
	•	(in lbs. wk	(in lbs. wkkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. wrkg)*	Release
Calcium arsenate	7778-44-1	0.003	0	l or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	l or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001	0	l or more	0.001	12 or more
Hydrochloric acid	7647-01-0	1.2	0	l or more	1.2	12 or more
Hydrofluoric acid	7664-39-3	0,056	0	l or more	0.056	12 or more
Sulfuric acid	7664-93-9	3.6	0	l or more	် မ က	or
Nitrogen oxide	10102-43-9	69	0	l or more	69	or
Nitrogen dioxide	10102-44-0	3.6	0	l or more	3.6	or

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

	•	Months	of the	Release
	lotal Quantity of	e Mixture Keleased	in Previous Year	(in lbs. or kg)
	Number of	Days Releas	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
		-		CASRN#
	Name of	Hazardous	Substance	Components
				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

SECTION II: SOURCE INFORMATION (continued)

CR-ERNS Number:

522818; 522820; 522822; 522823

Part C. Identity and Quantity of Each Hazardous Substance or Mixture Released From Each Source

Please provide a SEPARATE sheet for EACH source. Photocopy this page if necessary.

Name of Source:

Conesville Auxiliary Boiler 1

List each hazardous substance released from the source identified above and provide the following information. (For an example, see Table 1 of Reporting Requirements for Continuous Releases of Hazardous Substances - A Guide for Facilities and Vessels on Compliance.)

		Norma	Normal Kange	Number of Days	Total Quantity	
		(in lbs. wrk	(in lbs. wrkg per day)*	Release Occurs	Released in Previous Year	Months of the
Name of Hazardous Substance	CASRN#	Upper Bound	Lower Bound	(per year)	(in lbs. Brkg)*	Release
Calcium arsenate	7778-44-1	0.003		l or more	0.003	12 or more
Mercury	7439-97-6	0.0002	0	l or more	0.0002	12 or more
Selenium oxide	7446-08-4	0.001		l or more	0.001	12 or more
Hydrochloric acid	7647-01-0	1.2	0	l or more	1.2	12 or more
Hydrofluoric acid	7664-39-3	0.056	0	l or more	0.056	12 or more
Sulfuric acid	7664-93-9	3.6	ó	l or more) () ()	12 or more
Nitrogen oxide	10102-43-9	69	0	l or more	69	12 or more
Nitrogen dioxide	10102-44-0	3,6	0	l or more	9.0	

List each mixture released from the source identified above and provide the following information. (For an example, see Table 2 of Reporting Requirements for Continuous Releases of Hazardous Substances · A Guide for Facilities and Vessels on Compliance.)

•	,	Months	of the	Release
	lotal Quantity of	e Mixture Released	in Previous Year	(in lbs. or kg)
-	Number of	Days Release	Occurs	(per year)
Normal Range of	Mixture	(in lbs. or kg per day)*	Upper Lower	Bound Bound
Normal Range of	Components	(in lbs. or kg per day)*	Weight Upper Lower	Percentage Bound Bound
,				CASRN# P
,	Name of	Hazardous	Substance	Components
•				Name of Mixture

^{*} Please be sure to include units where appropriate. Also, if the release is a radionuclide, units of curies (CI) are appropriate.

CR-ERNS Number: 522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Nitrogen oxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., kaxox Giv)

Conesville Stack	CS012	99,622
Conesville Stack	3	31,303
Conesville Stack	4	120,743
Conesville Stack	CS056	129,130

TOTAL - SSI trigger for this hazardous substance release*:

380,798 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Nitrogen dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., logs on Si)

Conesville Stack CS012	5,243
Conesville Stack 3	1,648
Conesville Stack 4	6,355
Conesville Stack CS056	6,796

TOTAL - SSI trigger for this hazardous substance release*:

20,042 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Hydrochloric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs., keg: xor (six)

Conesville	Stack	CS012	4,212
Conesville	Stack	3	2,722
Conesville	Stack	4	10,620
Conesville	Stack	CS056	12,819

TOTAL - SSI trigger for this hazardous substance release*:

30,373 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Hydrogen fluoride

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs. xkg.xxxx (Si)

Conesville Stack CS012	430
Conesville Stack 3	278
Conesville Stack 4	1,084
Conesville Stack CS056	1,309

TOTAL - SSI trigger for this hazardous substance release*:

3,101 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Sulfuric acid

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)

Upper Bound of the Normal Range of the Release (specify lbs...xkgxxxxxxix)

Conesville	Stack	CS012	2,593
Conesville	Stack	3	1,720
Conesville	Stack	4	3,868
Conesville	Stack	CS056	3,381

TOTAL - SSI trigger for this hazardous substance release*: 11,562 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Mercury

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs.xkgx@RGi)	
Conesville Stack CS012	0.9	
Conesville Stack 3	0.6	
Conesville Stack 4	2.3	
Conesville Stack CS056	2.2	

TOTAL - SSI trigger for this hazardous substance release*:

6.0 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820; 522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Selenium dioxide

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	·	Upper Bound of the Normal Range of the Release (specify lbs., kgroup (3))
Conesville Stack	CS012	11.8
Conesville Stack	3	7.6
Conesville Stack	4	29.8
Conesville Stack	CS056	36.0

TOTAL - SSI trigger for this hazardous substance release*:

85.2 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number: 522818; 522820; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Calcium arsenate

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s) Upper Bound of the Normal Range of the Release (specify lbs.xkgxox Giz

Conesville Stack CS012	5.2
Conesville Stack 3	3.4
Conesville Stack 4	13.5
Conesville Stack CS056	11.5

TOTAL - SSI trigger for this hazardous substance release*: 33.6 lbs.

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

CR-ERNS Number:

522818; 522820;

522822; 522823

Calculation of the SSI Trigger

For EACH hazardous substance or hazardous substance component of a mixture indicated in Section II, Part C, list the names of the releasing sources and their upper bounds. Please use a SEPARATE sheet for EACH hazardous substance. Photocopy this page if necessary.

Name of Hazardous Substance:

Cyanides

To calculate the SSI trigger (i.e., the upper bound of the normal range of a release) for the hazardous substance identified above, aggregate the upper bounds of the normal range of the identified hazardous substance across all sources identified in Section II, Part C. If the hazardous substance is also a component of a mixture, be certain to include the upper bound of the component as calculated in Section II, Part C, in your calculation of the SSI trigger.

Name of Source(s)	Upper Bound of the Normal Range of the Release (specify lbs., kgxxpx&x)
Conesville Stack CS012	8.9
Conesville Stack 3	7.6
Conesville Stack 4	17.8
Conesville Stack CS056	22.9

TOTAL - SSI trigger for this hazardous substance release*: 57.2 1

^{*} This method for calculating the SSI trigger for the hazardous substance assumes that all releases of the same hazardous substance or mixture occur simultaneously. To the extent that a hazardous substance is released from your facility from different sources and at different frequencies, you may adjust the SSI trigger as appropriate, so that it more accurately reflects the frequency and quantity of the release. The SSI trigger in the final analysis must reflect the upper bound of the normal range of the release, taking into consideration all sources of the release at the facility or vessel. The normal range of the release includes all releases previously reported or occurring over a 24-hour period during the previous year.

NATIONAL RESPONSE CENTER (NRC)
GOVERNMENT USE ONLY

IRIS/NRC # 522820

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:09 on 13-MAR-00

Incident Type: CONTINUOUS

Incident Cause: OTHER Affected Area:

The incident was discovered on 13-MAR-00 at 14:00

local time.

REPORTING

<u>PARTY</u>

Name: GUY CERIMELE Organization: AMERICAN ELECTRIC POWER Address: 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

AMERICAN ELECTRIC POWER called for the responsible party.

PRIMARY Phone: (614)2231295

Type of Organization:

PUBLIC UTILITY

SUSPECTED

RESPONSIBLE PARTY

Name: DAN LAMBER Organization: AMERICAN ELECTRIC POWER Address: 47201 COUNTY ROAD 273 CONESVILLE, OH 45881

PRIMARY Phone: (740)8294101

Type of Organization: PUBLIC UTILITY

INCIDENT

LOCATION

47201 COUNTY ROAD 273 COUNTY: COSHOCTON CONESVILLE, OH

RELEASED

MATERIAL(S)

SOURCE/CAUSE OF

INCIDENT

THE CALLER IS REPORTING AN INTIAL CONTINUOUS RELEASE.

DAMAGES

REMEDIAL ACTIONS

NOTIFICATIONS

BY NRC

ADDITIONAL

INFORMATION

CHRIS Code: CCA
Official Material

Name: CALCIUM ARSENATE

Also Known As:

Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

CHRIS Code: HFA Official Material Name: HYDROFLUORIC

ACID

Also Known As:

Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522820 ***

Report any problems or Fax number changes by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

NATIONAL RESPONSE CENTER (NRC)
GOVERNMENT USE ONLY

IRIS/NRC # 522822

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:11 on 13-MAR-00

Incident Type: CONTINUOUS

Incident Cause: OTHER Affected Area:

The incident was discovered on 13-MAR-00 at 14:00

local time.

REPORTING

PARTY

Name: GUY CERIMELE Organization: AMERICAN ELECTRIC POWER Address: 1 RIVERSIDE PLAZA COLUMBUS, OH 43215

AMERICAN ELECTRIC POWER called for the responsible party.

PRIMARY Phone: (614)2231295

Type of Organization:

PUBLIC UTILITY

SUSPECTED

RESPONSIBLE PARTY

Name: DAN LAMBERT Organization: AMERICAN ELECTRIC POWER Address: 47201 COUNTY ROAD 273 CONESVILLE, OH 45811

PRIMARY Phone: (740)8294101

Type of Organization: PUBLIC UTILITY

INCIDENT LOCATION

47201 COUNTY ROAD 273 County: COSHOCTON CONESVILLE, OH

RELEASED
MATERIAL(S)

SOURCE/CAUSE OF

INCIDENT

THE CALLER IS REPORTING AN INTIAL CONTINUOUS RELEASE.

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REMEDIAL

ACTIONS

NOTIFICATIONS

BY NRC

ADDITIONAL

INFORMATION

CHRIS Code: CCA Official Material

Name: CALCIUM ARSENATE

Also Known As:

Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

CHRIS Code: HCL Official Material Name: HYDROCHLORIC

ACID

Also Known As:

Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: HFA Official Material Name: HYDROFLUORIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: MCR Official Material Name: MERCURY

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: CYANIDES

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SLD Official Material Name: SELENIUM DIOXIDE

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522822 ***

Report any problems or Fax number changes by calling 1-800-424-8802

PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

NATIONAL RESPONSE CENTER (NRC)
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IRIS/NRC # 522823

INCIDENT DESCRIPTION

*Report taken by: CIV ROBERTSON at 15:14 on 13-MAR-00

Incident Type: CONTINUOUS

Incident Cause: OTHER Affected Area:

The incident was discovered on 13-MAR-00 at 14:00

local time.

REPORTING

PARTY

Name: GUY CERIMELE Organization: AMERICAN ELECTRIC POWER Address: 1 RIVERSIDE PLAZA COLUMBUS. OH 43215

AMERICAN ELECTRIC POWER called for the responsible party.

PRIMARY Phone: (614)2231295

Type of Organization:

PUBLIC UTILITY

SUSPECTED

RESPONSIBLE PARTY

Name: DAN LAMBERT Organization: AMERICAN ELECTRIC POWER Address: 47201 COUNTY ROAD 273 CONESVILLE, OH 45811

PRIMARY Phone: (740)8294101

Type of Organization: PUBLIC UTILITY

INCIDENT

LOCATION

47201 COUNTY ROAD 273 County: COSHOCTON CONESVILLE, OH

RELEASED MATERIAL(S)

SOURCE/CAUSE OF

INCIDENT

THE CALLER IS REPORTING AN INITIAL CONTINUOUS RELEASE.

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REMEDIAL

ACTIONS

NOTIFICATIONS

BY NRC

ADDITIONAL

INFORMATION

CHRIS Code: CCA Official Material

Name: CALCIUM ARSENATE

Also Known As: Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

CHRIS Code: HCL Official Material Name: HYDROCHLORIC

ACID

Also Known As:

Upper Bounds: UNKNOWN

AMOUNT/UNKNOWN

NOTIFICATIONS BY NRC

CHRIS Code: HFA Official Material Name: HYDROFLUORIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: MCR Official Material Name: MERCURY

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: CYANIDES

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN DIOXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: NITROGEN OXIDE

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SFA Official Material Name: SULFURIC ACID

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

CHRIS Code: SLD Official Material Name: SELENIUM DIOXIDE

Also Known As:

Upper Bounds: UNKNOWN AMOUNT/UNKNOWN

*** END INCIDENT REPORT # 522823 ***

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